

.NET Core Interview Questions and Answers (2025)

1. [C#] What is the difference between value types and reference types in C#? (Q#1)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

2. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#2)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

3. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#3)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

4. [LINQ] What is deferred execution in LINQ? (Q#4)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

5. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#5)

Answer: Use the Include() method in your query to load related entities along with the main entity.

6. [C#] What is the difference between value types and reference types in C#? (Q#6)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

7. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#7)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

8. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#8)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

9. [LINQ] What is deferred execution in LINQ? (Q#9)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

10. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#10)

Answer: Use the Include() method in your query to load related entities along with the main entity.

11. [C#] What is the difference between value types and reference types in C#? (Q#11)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

12. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#12)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

13. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#13)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

14. [LINQ] What is deferred execution in LINQ? (Q#14)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

15. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#15)

Answer: Use the Include() method in your query to load related entities along with the main entity.

16. [C#] What is the difference between value types and reference types in C#? (Q#16)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

17. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#17)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and

responses. Each component chooses whether to pass the request to the next component.

18. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#18)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

19. [LINQ] What is deferred execution in LINQ? (Q#19)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

20. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#20)

Answer: Use the Include() method in your query to load related entities along with the main entity.

21. [C#] What is the difference between value types and reference types in C#? (Q#21)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

22. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#22)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

23. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#23)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

24. [LINQ] What is deferred execution in LINQ? (Q#24)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

25. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#25)

Answer: Use the Include() method in your query to load related entities along with the main entity.

26. [C#] What is the difference between value types and reference types in C#? (Q#26)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

27. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#27)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

28. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#28)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

29. [LINQ] What is deferred execution in LINQ? (Q#29)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

30. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#30)

Answer: Use the Include() method in your query to load related entities along with the main entity.

31. [C#] What is the difference between value types and reference types in C#? (Q#31)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

32. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#32)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

33. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#33)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

34. [LINQ] What is deferred execution in LINQ? (Q#34)

Answer: Deferred execution means the query is not executed until the query variable is enumerated,

e.g., in a foreach loop.

35. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#35)

Answer: Use the Include() method in your query to load related entities along with the main entity.

36. [C#] What is the difference between value types and reference types in C#? (Q#36)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

37. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#37)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

38. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#38)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

39. [LINQ] What is deferred execution in LINQ? (Q#39)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

40. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#40)

Answer: Use the Include() method in your query to load related entities along with the main entity.

41. [C#] What is the difference between value types and reference types in C#? (Q#41)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

42. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#42)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

43. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#43)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

44. [LINQ] What is deferred execution in LINQ? (Q#44)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

45. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#45)

Answer: Use the Include() method in your query to load related entities along with the main entity.

46. [C#] What is the difference between value types and reference types in C#? (Q#46)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

47. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#47)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

48. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#48)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

49. [LINQ] What is deferred execution in LINQ? (Q#49)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

50. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#50)

Answer: Use the Include() method in your query to load related entities along with the main entity.

51. [C#] What is the difference between value types and reference types in C#? (Q#51)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

52. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#52)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

53. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#53)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

54. [LINQ] What is deferred execution in LINQ? (Q#54)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

55. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#55)

Answer: Use the Include() method in your query to load related entities along with the main entity.

56. [C#] What is the difference between value types and reference types in C#? (Q#56)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

57. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#57)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

58. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#58)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

59. [LINQ] What is deferred execution in LINQ? (Q#59)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

60. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#60)

Answer: Use the Include() method in your query to load related entities along with the main entity.

61. [C#] What is the difference between value types and reference types in C#? (Q#61)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

62. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#62)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

63. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#63)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

64. [LINQ] What is deferred execution in LINQ? (Q#64)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

65. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#65)

Answer: Use the Include() method in your query to load related entities along with the main entity.

66. [C#] What is the difference between value types and reference types in C#? (Q#66)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

67. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#67)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

68. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#68)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

69. [LINQ] What is deferred execution in LINQ? (Q#69)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

70. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#70)

Answer: Use the Include() method in your query to load related entities along with the main entity.

71. [C#] What is the difference between value types and reference types in C#? (Q#71)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

72. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#72)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

73. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#73)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

74. [LINQ] What is deferred execution in LINQ? (Q#74)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

75. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#75)

Answer: Use the Include() method in your query to load related entities along with the main entity.

76. [C#] What is the difference between value types and reference types in C#? (Q#76)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

77. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#77)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and

responses. Each component chooses whether to pass the request to the next component.

78. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#78)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

79. [LINQ] What is deferred execution in LINQ? (Q#79)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

80. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#80)

Answer: Use the Include() method in your query to load related entities along with the main entity.

81. [C#] What is the difference between value types and reference types in C#? (Q#81)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

82. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#82)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

83. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#83)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

84. [LINQ] What is deferred execution in LINQ? (Q#84)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

85. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#85)

Answer: Use the Include() method in your query to load related entities along with the main entity.

86. [C#] What is the difference between value types and reference types in C#? (Q#86)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

87. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#87)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

88. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#88)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

89. [LINQ] What is deferred execution in LINQ? (Q#89)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

90. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#90)

Answer: Use the Include() method in your query to load related entities along with the main entity.

91. [C#] What is the difference between value types and reference types in C#? (Q#91)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

92. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#92)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

93. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#93)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

94. [LINQ] What is deferred execution in LINQ? (Q#94)

Answer: Deferred execution means the query is not executed until the query variable is enumerated,

e.g., in a foreach loop.

95. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#95)

Answer: Use the Include() method in your query to load related entities along with the main entity.

96. [C#] What is the difference between value types and reference types in C#? (Q#96)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

97. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#97)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

98. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#98)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

99. [LINQ] What is deferred execution in LINQ? (Q#99)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

100. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#100)

Answer: Use the Include() method in your query to load related entities along with the main entity.

101. [C#] What is the difference between value types and reference types in C#? (Q#101)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

102. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#102)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

103. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#103)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

104. [LINQ] What is deferred execution in LINQ? (Q#104)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

105. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#105)

Answer: Use the Include() method in your query to load related entities along with the main entity.

106. [C#] What is the difference between value types and reference types in C#? (Q#106)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

107. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#107)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

108. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#108)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

109. [LINQ] What is deferred execution in LINQ? (Q#109)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

110. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#110)

Answer: Use the Include() method in your query to load related entities along with the main entity.

111. [C#] What is the difference between value types and reference types in C#? (Q#111)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

112. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#112)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

113. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#113)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

114. [LINQ] What is deferred execution in LINQ? (Q#114)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

115. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#115)

Answer: Use the Include() method in your query to load related entities along with the main entity.

116. [C#] What is the difference between value types and reference types in C#? (Q#116)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

117. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#117)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

118. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#118)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

119. [LINQ] What is deferred execution in LINQ? (Q#119)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

120. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#120)

Answer: Use the Include() method in your query to load related entities along with the main entity.

121. [C#] What is the difference between value types and reference types in C#? (Q#121)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

122. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#122)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

123. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#123)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

124. [LINQ] What is deferred execution in LINQ? (Q#124)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

125. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#125)

Answer: Use the Include() method in your query to load related entities along with the main entity.

126. [C#] What is the difference between value types and reference types in C#? (Q#126)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

127. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#127)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

128. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#128)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

129. [LINQ] What is deferred execution in LINQ? (Q#129)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

130. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#130)

Answer: Use the Include() method in your query to load related entities along with the main entity.

131. [C#] What is the difference between value types and reference types in C#? (Q#131)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

132. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#132)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

133. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#133)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

134. [LINQ] What is deferred execution in LINQ? (Q#134)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

135. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#135)

Answer: Use the Include() method in your query to load related entities along with the main entity.

136. [C#] What is the difference between value types and reference types in C#? (Q#136)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

137. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#137)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and

responses. Each component chooses whether to pass the request to the next component.

138. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#138)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

139. [LINQ] What is deferred execution in LINQ? (Q#139)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

140. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#140)

Answer: Use the Include() method in your query to load related entities along with the main entity.

141. [C#] What is the difference between value types and reference types in C#? (Q#141)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

142. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#142)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

143. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#143)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

144. [LINQ] What is deferred execution in LINQ? (Q#144)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

145. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#145)

Answer: Use the Include() method in your query to load related entities along with the main entity.

146. [C#] What is the difference between value types and reference types in C#? (Q#146)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

147. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#147)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

148. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#148)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

149. [LINQ] What is deferred execution in LINQ? (Q#149)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

150. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#150)

Answer: Use the Include() method in your query to load related entities along with the main entity.

151. [C#] What is the difference between value types and reference types in C#? (Q#151)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

152. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#152)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

153. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#153)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

154. [LINQ] What is deferred execution in LINQ? (Q#154)

Answer: Deferred execution means the query is not executed until the query variable is enumerated,

e.g., in a foreach loop.

155. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#155)

Answer: Use the Include() method in your query to load related entities along with the main entity.

156. [C#] What is the difference between value types and reference types in C#? (Q#156)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

157. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#157)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

158. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#158)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

159. [LINQ] What is deferred execution in LINQ? (Q#159)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

160. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#160)

Answer: Use the Include() method in your query to load related entities along with the main entity.

161. [C#] What is the difference between value types and reference types in C#? (Q#161)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

162. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#162)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

163. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#163)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

164. [LINQ] What is deferred execution in LINQ? (Q#164)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

165. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#165)

Answer: Use the Include() method in your query to load related entities along with the main entity.

166. [C#] What is the difference between value types and reference types in C#? (Q#166)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

167. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#167)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

168. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#168)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

169. [LINQ] What is deferred execution in LINQ? (Q#169)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

170. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#170)

Answer: Use the Include() method in your query to load related entities along with the main entity.

171. [C#] What is the difference between value types and reference types in C#? (Q#171)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

172. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#172)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

173. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#173)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

174. [LINQ] What is deferred execution in LINQ? (Q#174)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

175. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#175)

Answer: Use the Include() method in your query to load related entities along with the main entity.

176. [C#] What is the difference between value types and reference types in C#? (Q#176)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

177. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#177)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

178. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#178)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

179. [LINQ] What is deferred execution in LINQ? (Q#179)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

180. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#180)

Answer: Use the Include() method in your query to load related entities along with the main entity.

181. [C#] What is the difference between value types and reference types in C#? (Q#181)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

182. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#182)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

183. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#183)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

184. [LINQ] What is deferred execution in LINQ? (Q#184)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

185. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#185)

Answer: Use the Include() method in your query to load related entities along with the main entity.

186. [C#] What is the difference between value types and reference types in C#? (Q#186)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

187. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#187)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

188. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#188)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

189. [LINQ] What is deferred execution in LINQ? (Q#189)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

190. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#190)

Answer: Use the Include() method in your query to load related entities along with the main entity.

191. [C#] What is the difference between value types and reference types in C#? (Q#191)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

192. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#192)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

193. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#193)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

194. [LINQ] What is deferred execution in LINQ? (Q#194)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

195. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#195)

Answer: Use the Include() method in your query to load related entities along with the main entity.

196. [C#] What is the difference between value types and reference types in C#? (Q#196)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

197. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#197)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and

responses. Each component chooses whether to pass the request to the next component.

198. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#198)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

199. [LINQ] What is deferred execution in LINQ? (Q#199)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

200. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#200)

Answer: Use the Include() method in your query to load related entities along with the main entity.

201. [C#] What is the difference between value types and reference types in C#? (Q#201)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

202. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#202)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

203. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#203)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

204. [LINQ] What is deferred execution in LINQ? (Q#204)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

205. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#205)

Answer: Use the Include() method in your query to load related entities along with the main entity.

206. [C#] What is the difference between value types and reference types in C#? (Q#206)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

207. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#207)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

208. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#208)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

209. [LINQ] What is deferred execution in LINQ? (Q#209)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

210. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#210)

Answer: Use the Include() method in your query to load related entities along with the main entity.

211. [C#] What is the difference between value types and reference types in C#? (Q#211)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

212. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#212)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

213. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#213)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

214. [LINQ] What is deferred execution in LINQ? (Q#214)

Answer: Deferred execution means the query is not executed until the query variable is enumerated,

e.g., in a foreach loop.

215. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#215)

Answer: Use the Include() method in your query to load related entities along with the main entity.

216. [C#] What is the difference between value types and reference types in C#? (Q#216)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

217. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#217)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

218. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#218)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

219. [LINQ] What is deferred execution in LINQ? (Q#219)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

220. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#220)

Answer: Use the Include() method in your query to load related entities along with the main entity.

221. [C#] What is the difference between value types and reference types in C#? (Q#221)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

222. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#222)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

223. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#223)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

224. [LINQ] What is deferred execution in LINQ? (Q#224)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

225. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#225)

Answer: Use the Include() method in your query to load related entities along with the main entity.

226. [C#] What is the difference between value types and reference types in C#? (Q#226)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

227. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#227)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

228. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#228)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

229. [LINQ] What is deferred execution in LINQ? (Q#229)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

230. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#230)

Answer: Use the Include() method in your query to load related entities along with the main entity.

231. [C#] What is the difference between value types and reference types in C#? (Q#231)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

232. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#232)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

233. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#233)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

234. [LINQ] What is deferred execution in LINQ? (Q#234)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

235. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#235)

Answer: Use the Include() method in your query to load related entities along with the main entity.

236. [C#] What is the difference between value types and reference types in C#? (Q#236)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

237. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#237)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

238. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#238)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

239. [LINQ] What is deferred execution in LINQ? (Q#239)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

240. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#240)

Answer: Use the Include() method in your query to load related entities along with the main entity.

241. [C#] What is the difference between value types and reference types in C#? (Q#241)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

242. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#242)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

243. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#243)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

244. [LINQ] What is deferred execution in LINQ? (Q#244)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

245. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#245)

Answer: Use the Include() method in your query to load related entities along with the main entity.

246. [C#] What is the difference between value types and reference types in C#? (Q#246)

Answer: Value types hold data directly and are stored in the stack, while reference types store a reference to the data's memory address and are stored in the heap.

247. [ASP.NET Core] What is middleware in ASP.NET Core? (Q#247)

Answer: Middleware is software that's assembled into an application pipeline to handle requests and responses. Each component chooses whether to pass the request to the next component.

248. [Web API] How do you return JSON from a Web API method in ASP.NET Core? (Q#248)

Answer: You can return JSON by returning an object from the action method. ASP.NET Core uses JSON serialization by default.

249. [LINQ] What is deferred execution in LINQ? (Q#249)

Answer: Deferred execution means the query is not executed until the query variable is enumerated, e.g., in a foreach loop.

250. [Entity Framework Core] How do you perform eager loading in EF Core? (Q#250)

Answer: Use the Include() method in your query to load related entities along with the main entity.