

.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.

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