

Q1. Describe the ASP.NET Core request pipeline and how middleware is registered and ordered in Program.cs.

Answer:

Q2. Explain the three service lifetimes in ASP.NET Core DI: Singleton, Scoped, and Transient. What are the captive dependency risks?

Answer:

Q3. How does ASP.NET Core attribute routing work? How do you handle route constraints and route templates?

Answer:

Q4. What is model binding in ASP.NET Core? How does it differ from [FromBody], [FromQuery], and [FromRoute]?

Answer:

Q5. What is the Minimal API pattern in ASP.NET Core 6+? When would you choose it over controllers?

Answer:

Q6. How do you implement JWT Bearer authentication in ASP.NET Core using AddAuthentication and AddJwtBearer?

Answer:

Q7. How does appsettings.json configuration work in ASP.NET Core? Explain IConfiguration and Options pattern.

Answer:

Q8. What is Entity Framework Core and how do you configure DbContext in a dependency-injected ASP.NET Core app?

Answer:

Q9. How does ASP.NET Core handle filters: action filters, resource filters, and exception filters?

Answer:

Q10. How do you write integration tests for ASP.NET Core using WebApplicationFactory<T> and HttpClient?

Answer: