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💡 From .Net C# Interview Questions: Explaining Lazy Loading in C#:

Lazy Loading is a design pattern in C# for deferring object initialization until needed.

It boosts performance and optimizes resource usage, especially for costly initializations.

🔧 How it's Implemented:

Utilize the Lazy<T> type in C#.

Object instances are created only at their first access, not at declaration.

Use Cases:

Large resource-intensive objects.

Enhancing startup time and responsiveness.

Resources used only occasionally .

⚠️ Caution:

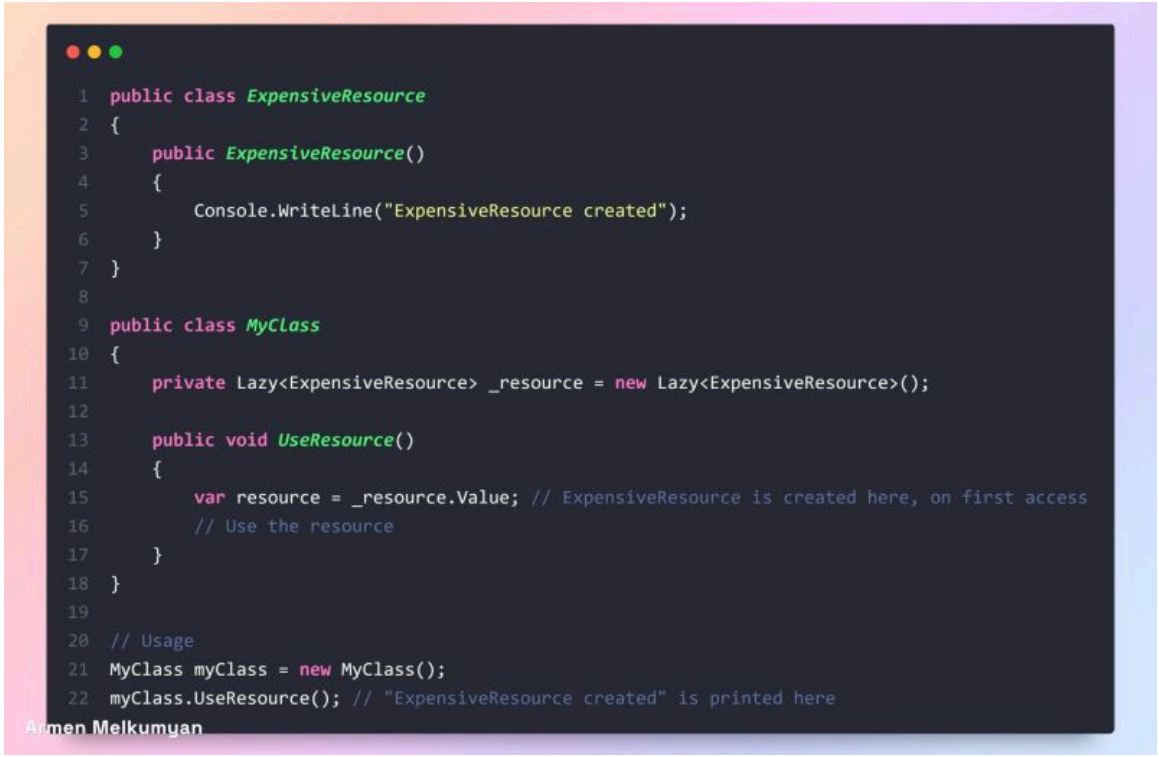
Beware of complex debugging and performance impacts in multi-threaded environments.

🖼️ Example Scenario:

ExpensiveResource is created not at MyClass instantiation but when UseResource is called the first time.

**#CSharp #LazyLoading #DotNetDevelopment #PerformanceOptimization**

**#TechnicalInterview**

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