شويه اسئله انترفيوهات في cSharp

○1. What is the CLR in .NET?

✓Explain the concept of the Common Language Runtime and how it serves as the execution environment for managing code.

○2. What is the difference between Value Types and Reference Types in C#?

✓Clarify the distinction between value types (e.g., int, bool) and reference types (e.g., objects, arrays).

○3. Explain the concept of Garbage Collection in C#?

✓Describe how the CLR manages memory automatically and cleans up unused objects.

○4. What is the difference between public and private in C#?

✓Explain the access levels for properties, methods, or

fields in code.

○5. What is the difference between an abstract class and an interface?

✓Clarify when to use abstract classes versus interfaces in object-oriented design.

○6. Explain Exception Handling in C# and how to use try, catch, and finally?

✓Discuss how to handle errors safely using these constructs.

○7. What is the difference between == and .Equals() in C#?

✓Discuss the difference between reference comparison and value comparison in C#.

○8. How do you implement async and await in C#?

✓Explain asynchronous programming and how to handle

long-running operations without blocking the application.

○9. What is LINQ and how can it be used in C#?

✓Introduce Language Integrated Query and how to write queries to manipulate data in a concise and efficient way.

○10. What is the concept of Delegates in C# and how are they used?

✓Explain how delegates work and their role in passing methods as arguments.