

C# Interview Questions for Freshers

Basic C# Questions

1. What is C#? How is it different from C++ or Java?
2. What is the difference between == and .Equals() in C#?
3. What are value types and reference types in C#?
4. What is a nullable type in C#?
5. What is the difference between const, readonly, and static?
6. What are access modifiers in C#?
7. What is the use of the var keyword?
8. What is boxing and unboxing?
9. What is a namespace?
10. What is the difference between a class and a struct?

Object-Oriented Programming (OOP)

1. What are the 4 pillars of OOP?
2. Explain inheritance with an example.
3. What is polymorphism? (Method Overloading vs Overriding)
4. What is abstraction and how is it implemented in C#?
5. What is the difference between an interface and an abstract class?
6. What is encapsulation? How is it achieved in C#?

C# Coding/Practical Questions

1. Write a program to reverse a string without using built-in methods.
2. Write a program to check if a number is prime.
3. Write a program to find the factorial of a number.
4. Write a program to swap two numbers without using a third variable.
5. Write a program to count the number of vowels in a string.

.NET & C# Specific Questions

1. What is the .NET Framework / .NET Core?
2. What is the CLR (Common Language Runtime)?

C# Interview Questions for Freshers

3. What is garbage collection in C#?
4. What is the difference between public, private, protected, and internal?
5. What is a constructor? What are the types of constructors in C#?
6. What are delegates and events?
7. What is exception handling? How does try-catch-finally work?

Advanced Beginner Questions

1. What is the difference between Array and List<T> in C#?
2. What are properties in C#? How are they different from fields?
3. What is a static class?
4. What is the difference between ref and out parameters?
5. What is a lambda expression?
6. What is LINQ? Can you give a simple LINQ example?
7. What are extension methods?