C# Lecture:

1. Introduction to C#:

  - C# is a modern, object-oriented programming language developed by Microsoft.

  - It's widely used for building Windows applications and is part of the .NET framework.

2. Basic Syntax:

  - Every C# program must have a Main method where execution starts.

  - Example:

```
public class Program {

  public static void Main() {

    Console.WriteLine("Hello, World!");

  }

}
```

3. Data Types and Variables:

  - Common data types: int, float, double, char, string, bool.

  - Variables are declared as: int x = 10;

4. Control Structures:

  - if-else, switch, for, while, do-while loops.

5. OOP Concepts:

  - Classes, objects, inheritance, polymorphism, encapsulation, abstraction.