

Module 1 : Introduction C#

What is Object,Defining Objects ,About C++, Keywords, Constants, Variables & Identifiers.

Module 2 : Object Oriented Programming Concepts

Encapsulation Classes,Data abstraction,Polymorphism etc.

Module 3 :Different Datatype in C# -

Data Types, Ranges ,Memory requirements,Variable declaration,declaration methods.

Module 4 : Operators in C#

Arithmetic Operators
Relational Operators
Logical Operators
Bitwise Operators
Assignment Operators
Misc Operators

Module 5 : Control Statements

if statement
switch statement

Module 6 : Iteration or loop statements:

while statement ,do....while statement ,for statement

Module 7 : Functions

Function prototype,Inline function,Using Default arguments
Function overloading.

Module 8 : Classes

Class declaration ,Object creation, Accessing class members
Member function definitions.

Module 9 : Static data members

Static variables ,Static member function,Array of object ,Friend function

Module 10 : Constructors & Destructors

Constructors

Characteristics of constructor function ,Types of constructors
Default constructor ,Parameterized constructor .

Destructors

Module 11 :Polymorphisum

Defining operator overloading

Overloading unary operator.Overloading binary operator

Function Overloading

Module 12 : Inheritance

Concept of reusability,base class , derived class
Access specifierr private ,public and protected
ns outside these two classes.

Types of inheritance:

Single inheritance

Multilevel inheritance

Hierarchical inheritance

Abstract Classes

Virtual Function

Virtual base class

Module 13 : File handling

Opening file,Closing file, File open modes

Module 14 : Delegates

What id Delegates, Use of Delegates.