1. Introduction to Problem Solving (**C#**  
   Context)  
   1.1 What is Problem Solving in Programming?  
   Problem solving in programming is the process of:  
   Understanding a real-world problem,  
   Designing an efficient logical approach (algorithm),  
   Translating it into a working program (code),  
   Testing and validating the solution.
2. 1.2 Importance of Algorithms  
   An algorithm is a step-by-step method for solving a problem.  
   Why are algorithms important?  
   Efficiency: A bad algorithm can make a program slow, even if the code is bug-  
   free.  
   Reusability: Good algorithms can be used across different programs.  
   Scalability: Helps your program handle large inputs gracefully.
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4. // Online C# Editor for free

// Write, Edit and Run your C# code using C# Online Compiler

using System;

public class HelloWorld

{

public static void Main(string[] args)

{

int age=25;

string name="Jhon";

bool isstudent=true;

double fee=55000.75;

//printing values :------->

Console.WriteLine ("Name : "+name);

Console.WriteLine ("Age : "+age);

Console.WriteLine ("Is Studnet : "+isstudent);

Console.WriteLine ("Fees : "+fee);

}

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// Console.WriteLine ("Name : "+name);

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// Console.WriteLine ("Fees : "+fee);

Console.WriteLine($"Name:{name}");

Console.WriteLine($"Age:{age}");

Console.WriteLine($"Is Student:{isstudent}");

Console.WriteLine($"Fees:{fee}");

}

}