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Question No : 1 / 1

Task:

Write a C# program that calculates and prints the sum of the first **N natural numbers**, where **N** is a positive integer entered by the user.

Requirements:

- The program should prompt the user to enter a positive integer **N**.
 - Use a **for loop** to calculate the sum of the first **N** natural numbers.
 - Print the calculated sum to the console.
 - Write the solution within the **Main** function in the `Program.cs` file.
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Input Format:

- The first line of input should be an integer.

Output Format:

- The first line of output should be the sum of the natural numbers of the entered integer.
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Refer Sample Output:

Sample Input

4

Sample Output

Sum of the first 4 natural numbers: 10

Commands to Run the Project:

```
cd dotnetapp  
dotnet run  
dotnet build  
dotnet clean
```

Note:

The project will not be submitted if "Submit Project" is not done at least once.

ANSWER:

using System;

class Program

{

public static void Main()

{

//5 Sum of First N Natural Numbers Program

Console.WriteLine("\\n5) Sum of First N Natural Numbers");

Console.WriteLine("Enter a positive integer N:");

int numb = Convert.ToInt32(Console.ReadLine());

int sum = 0;

for (int i = 1; i <= numb; i++)

{

sum += i;

}

Console.WriteLine("Sum of first " + numb + " natural numbers is: " + sum);

}

}