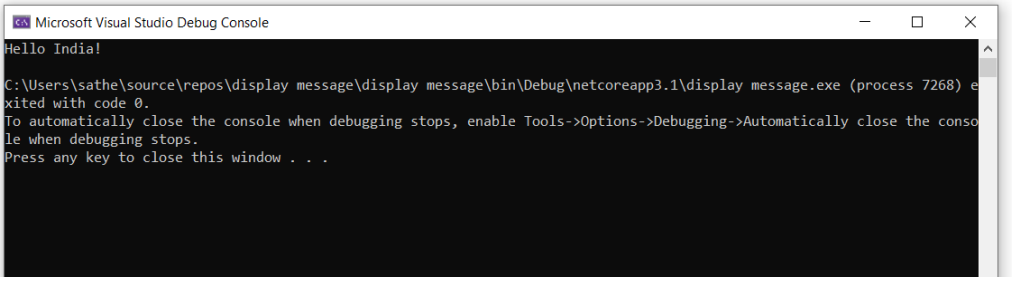
1. WCP to display a message “Hello India” on console.

```vb
Imports System

Module Program
    Sub Main(args As String())
        Console.WriteLine("Hello India!")
    End Sub
End Module

```



2.WCP to perform arithmetic operation.

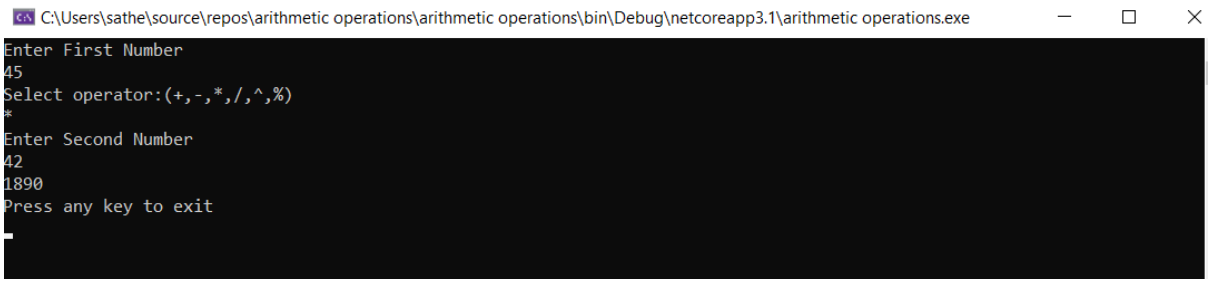
...\arithmetic operations\arithmetic operations\Program.vb 1

```vb
Imports System

Module Program
    Sub Main(args As String())
        Dim firstnum, secondnum, answer As Double
        Dim ops As String
        Console.WriteLine("Enter First Number")
        firstnum = Console.ReadLine
        Console.WriteLine("Select operator:(+,-,*,/,^,%)")
        ops = Console.ReadLine
        Console.WriteLine("Enter Second Number")
        secondnum = Console.ReadLine
        If (ops = "+") Then
            answer = firstnum + secondnum
        ElseIf (ops = "-") Then
            answer = firstnum - secondnum
        ElseIf (ops = "*") Then
            answer = firstnum * secondnum
        ElseIf (ops = "/") Then
            answer = firstnum / secondnum
        ElseIf (ops = "^") Then
            answer = firstnum ^ secondnum
        ElseIf (ops = "%") Then
            answer = firstnum Mod secondnum
        End If
        Console.WriteLine(answer)
        Console.WriteLine("Press any key to exit")
        Console.ReadLine()

    End Sub
End Module
```

Output:

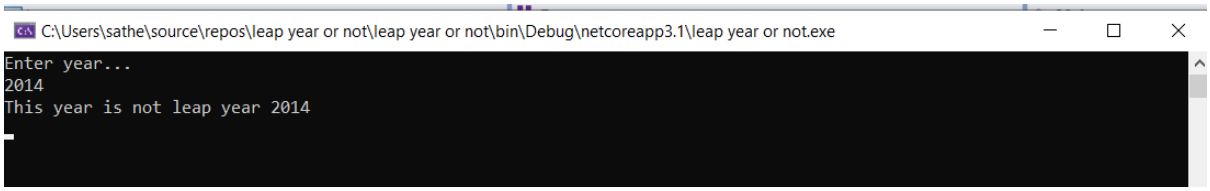


3.WCP to find whether a year is leap or not

...urce\repos\leap year or not\leap year or not\Program.vb 1

```
1  Imports System
2
3  Module Program
4      Sub Main(args As String())
5          Dim year As Integer
6          Console.WriteLine("Enter year...")
7          year = Console.ReadLine
8          If ((year Mod 100 = 0) And (year Mod 400 = 0) Or (year Mod 100 <> 0)
             And (year Mod 4 = 0)) Then
9              Console.WriteLine("This year is leap year" & Str(year))
10         Else
11             Console.WriteLine("This year is not leap year" & Str(year))
12         End If
13         Console.ReadKey()
14     End Sub
15 End Module
```

Output:

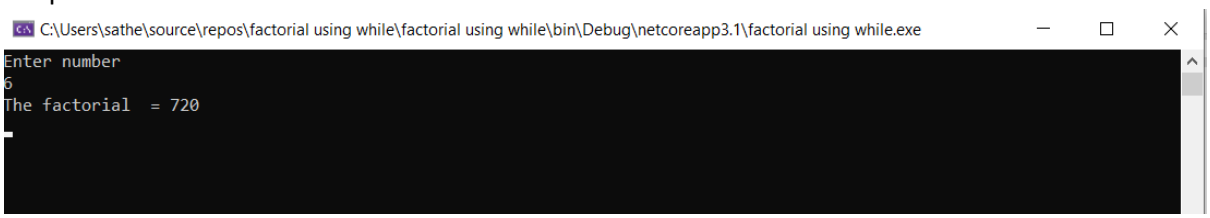


4. WCP to find factorial using while

...\factorial using while\factorial using while\Program.vb 1

```
1  Imports System
2
3  Module Program
4      Sub Main(args As String())
5          Dim num, fact, i As Integer
6          fact = 1
7          Console.WriteLine("Enter number")
8          num = Console.ReadLine
9          While num > 0
10             fact = fact * num
11             num = num - 1
12         End While
13
14         Console.WriteLine("The factorial  = " & fact)
15         Console.ReadKey()
16     End Sub
17 End Module
```

Output:

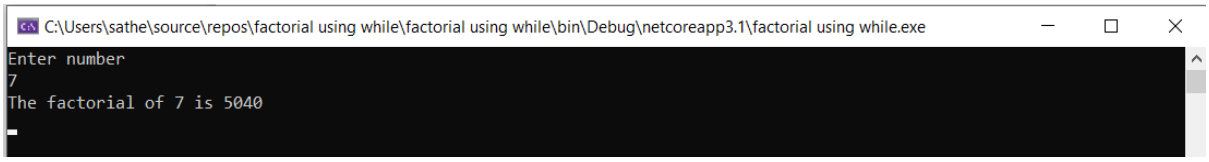


5. WCP to find factorial using for

...\factorial using while\factorial using while\Program.vb 1

```
1  Imports System
2
3  Module Program
4      Sub Main(args As String())
5          Dim num, fact, i As Integer
6          fact = 1
7          Console.WriteLine("Enter number")
8          num = Console.ReadLine
9          If num > 1 Then
10             For i = 1 To num
11                 fact = fact * i
12             Next
13         End If
14         Console.WriteLine("The factorial of " & num & " is " & fact)
15         Console.ReadKey()
16     End Sub
17 End Module
```

Output:



6. WCP to find factorial using do .. while

...\factorial using while\factorial using while\Program.vb 1

```
1  Imports System
2
3  Module Program
4      Sub Main(args As String())
5          Dim num, fact, i As Integer
6          fact = 1
7          Console.WriteLine("Enter number")
8          num = Console.ReadLine
9          Do
10             fact = fact * num
11             num = num - 1
12         Loop While num > 0
13
14         Console.WriteLine("The factorial  is " & fact)
15         Console.ReadKey()
16     End Sub
17 End Module
18
```

Output: