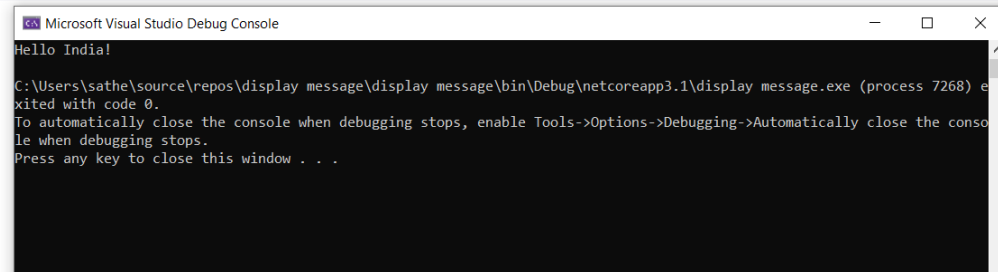


1. WCP to display a message "Hello India" on console.

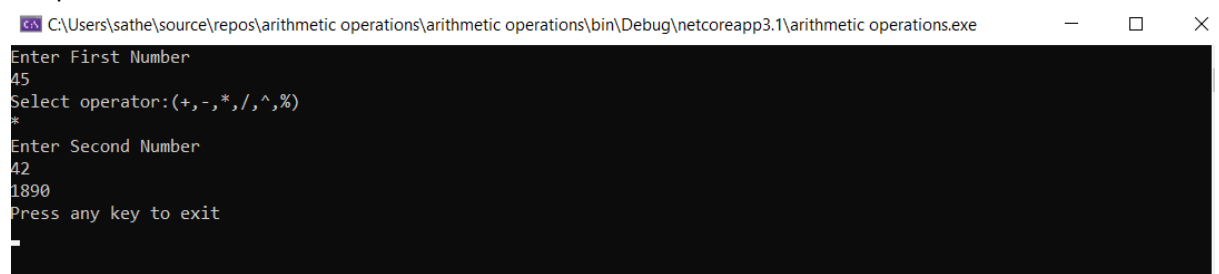
```
1 Imports System
2
3 Module Program
4     Sub Main(args As String())
5         Console.WriteLine("Hello India!")
6     End Sub
7 End Module
8
```



2. WCP to perform arithmetic operation.

```
...\arithmetic operations\arithmetic operations\Program.vb 1
1 Imports System
2
3 Module Program
4     Sub Main(args As String())
5         Dim firstnum, secondnum, answer As Double
6         Dim ops As String
7         Console.WriteLine("Enter First Number")
8         firstnum = Console.ReadLine
9         Console.WriteLine("Select operator:(+,-,*,/,^,%)")
10        ops = Console.ReadLine
11        Console.WriteLine("Enter Second Number")
12        secondnum = Console.ReadLine
13        If (ops = "+") Then
14            answer = firstnum + secondnum
15        ElseIf (ops = "-") Then
16            answer = firstnum - secondnum
17        ElseIf (ops = "*") Then
18            answer = firstnum * secondnum
19        ElseIf (ops = "/") Then
20            answer = firstnum / secondnum
21        ElseIf (ops = "^") Then
22            answer = firstnum ^ secondnum
23        ElseIf (ops = "%") Then
24            answer = firstnum Mod secondnum
25        End If
26        Console.WriteLine(answer)
27        Console.WriteLine("Press any key to exit")
28        Console.ReadLine()
29
30    End Sub
31 End Module
```

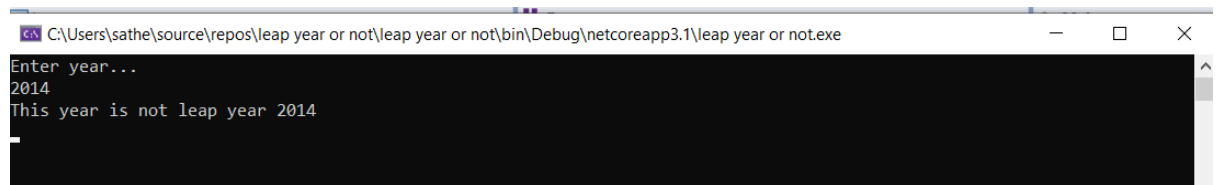
Output:



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
```

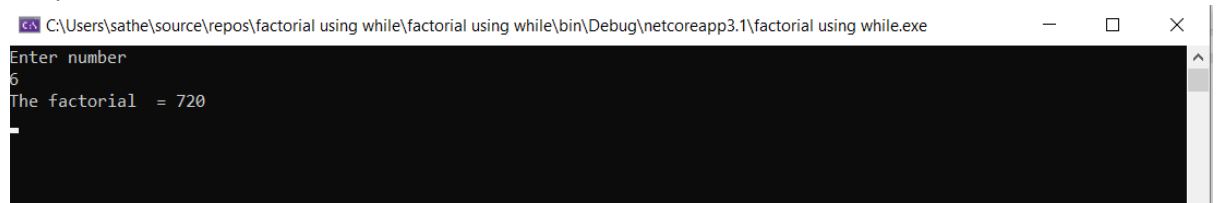
Output:

A screenshot of a Windows console application window. The title bar shows the file path: C:\Users\sathe\source\repos\leap year or not\leap year or not\bin\Debug\netcoreapp3.1\leap year or not.exe. The console output shows: "Enter year...", "2014", and "This year is not leap year 2014".

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
```

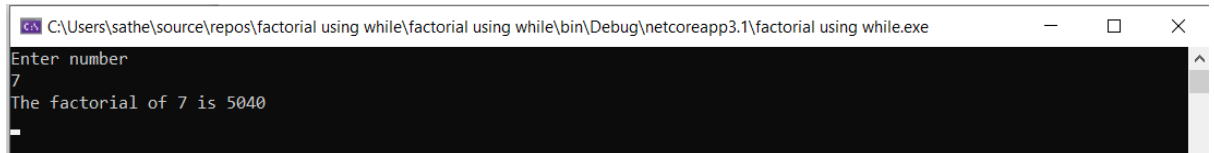
Output:

A screenshot of a Windows console application window. The title bar shows the file path: C:\Users\sathe\source\repos\factorial using while\factorial using while\bin\Debug\netcoreapp3.1\factorial using while.exe. The console output shows: "Enter number", "6", and "The factorial = 720".

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:

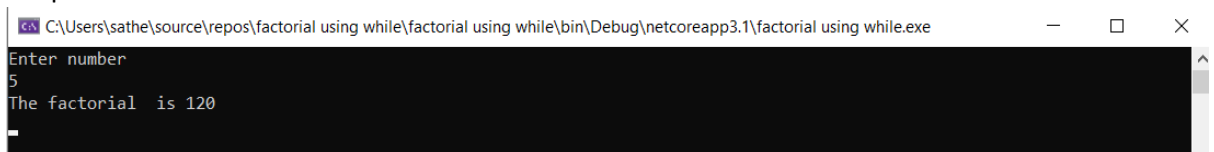


```
C:\Users\sathe\source\repos\factorial using while\factorial using while\bin\Debug\netcoreapp3.1\factorial using while.exe
Enter number
7
The factorial of 7 is 5040
```

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:



```
C:\Users\sathe\source\repos\factorial using while\factorial using while\bin\Debug\netcoreapp3.1\factorial using while.exe
Enter number
5
The factorial is 120
```