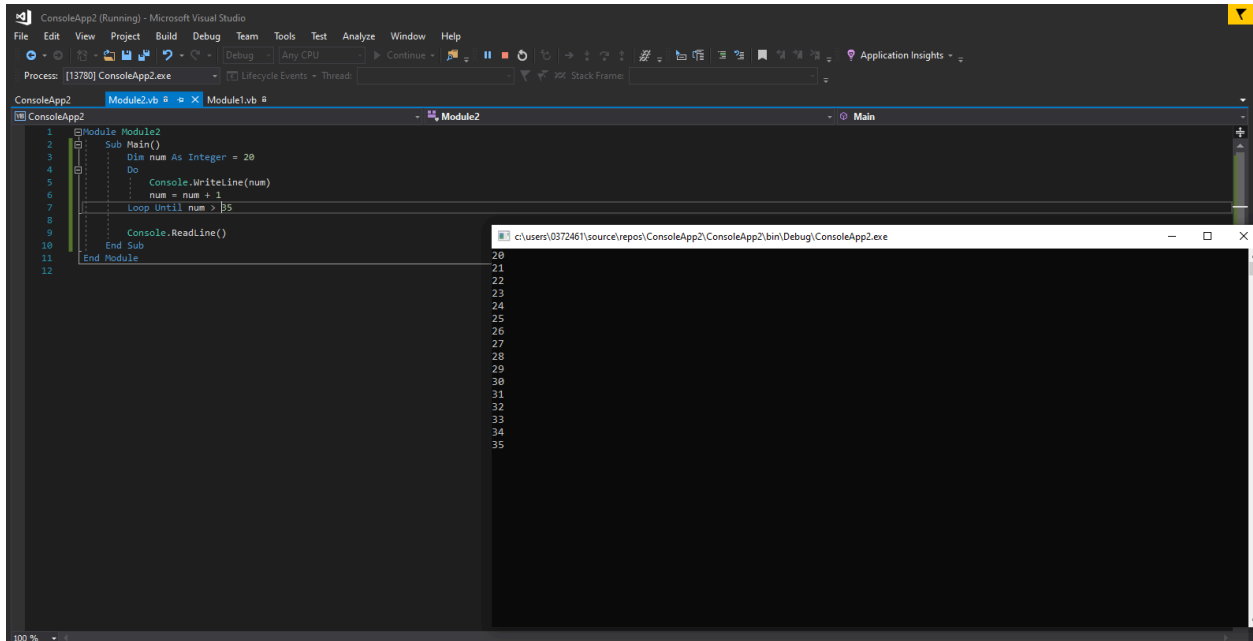


Topic : Repetition/Iteration – Use Do..Loop Until

1. Write a program to list number 20 to 35 using a Do Loop..until loop.

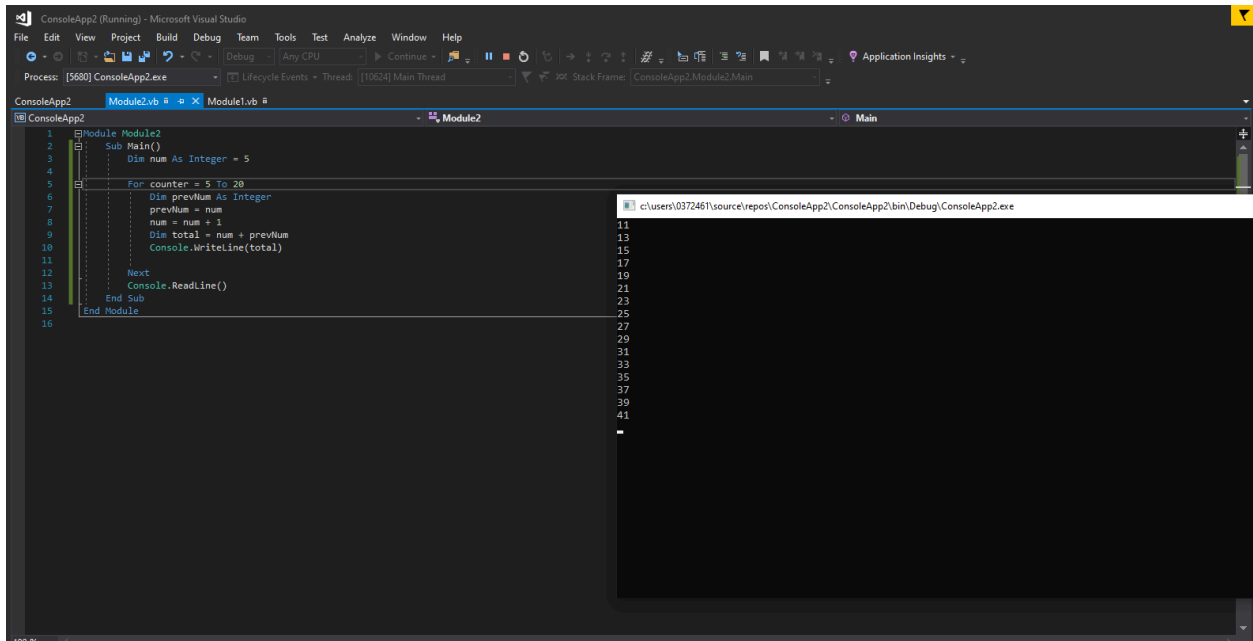


The screenshot shows the Visual Studio IDE with a console application running. The code in `Module2.vb` is as follows:

```
1 Module Module2
2     Sub Main()
3         Dim num As Integer = 20
4         Do
5             Console.WriteLine(num)
6             num = num + 1
7         Loop Until num > 35
8         Console.ReadLine()
9     End Sub
10 End Module
```

The output window shows the numbers 20 through 35 listed sequentially.

2. Write a program to add the numbers between 5 to 20 and output the sum.

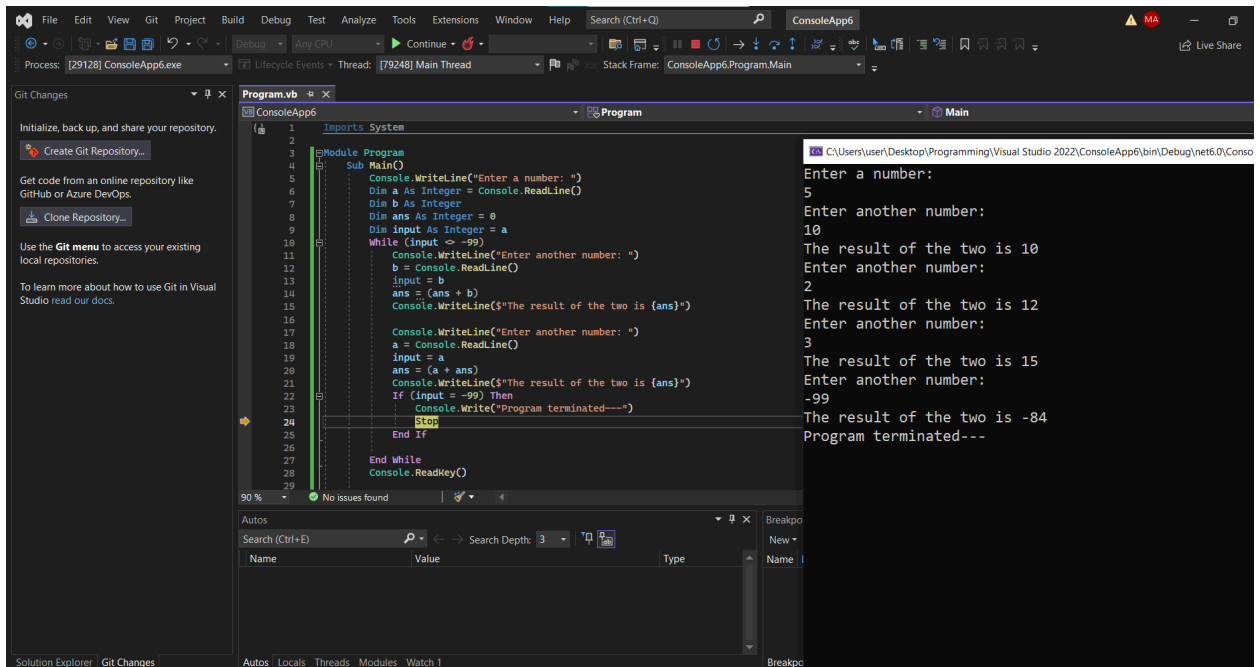


The screenshot shows the Visual Studio IDE with a console application running. The code in `Module2.vb` is as follows:

```
1 Module Module2
2     Sub Main()
3         Dim num As Integer = 5
4
5         For counter = 5 To 20
6             Dim prevNum As Integer
7             prevNum = num
8             num = num + 1
9             Dim total = num + prevNum
10            Console.WriteLine(total)
11        Next
12        Console.ReadLine()
13    End Sub
14 End Module
```

The output window shows the sum of consecutive numbers from 5 to 20, resulting in the sequence: 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41.

3 Write a program to add a list of numbers input by the user and output the sum, the input is ended when the user enters -99 as an input

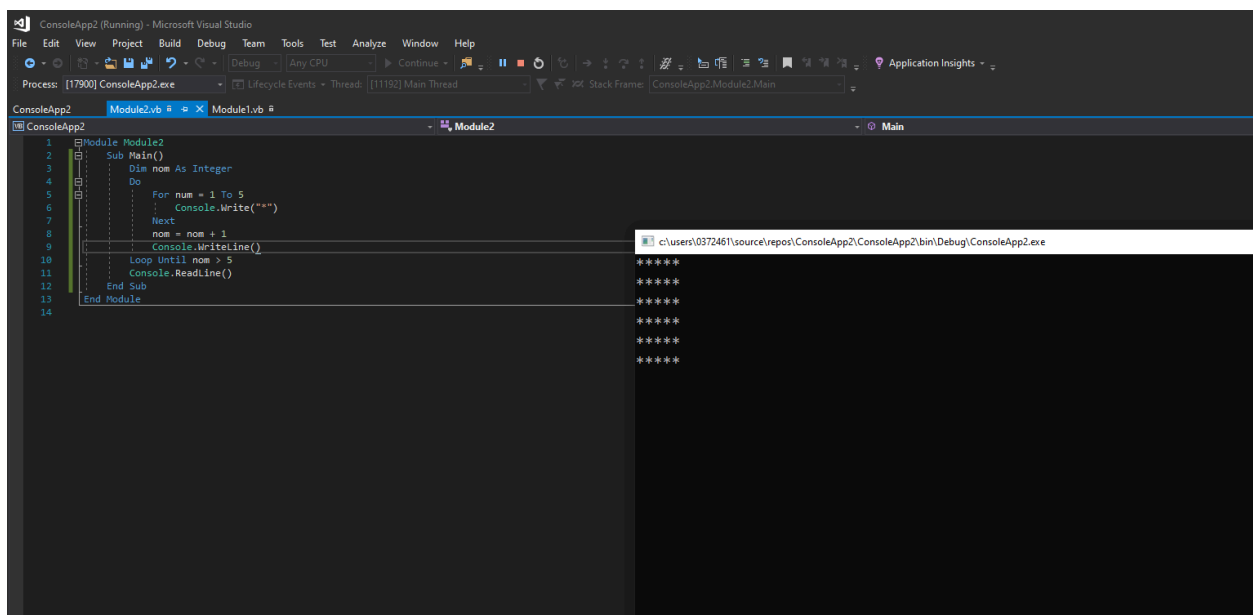


4. Write a program to print the following using a NESTED Do..Loop Until loop.

```

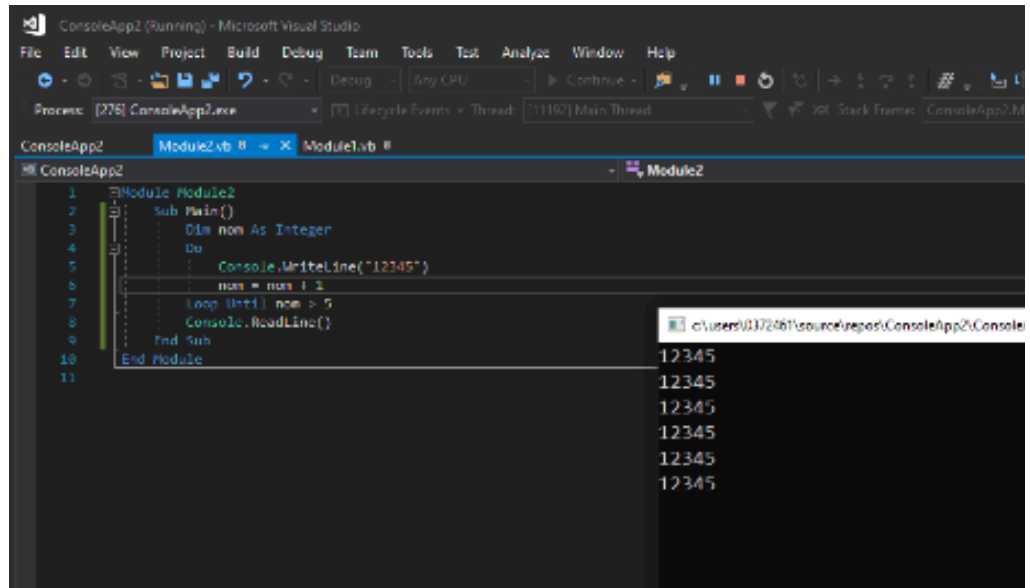
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *

```



5. Using a NESTED Do..Loop Until loop, write a program to output the following :

12345
12345
12345
12345
12345



The screenshot shows the Visual Studio IDE with a project named 'ConsoleApp2'. The code in 'Module2.vb' is as follows:

```
1 Module Module2
2     Sub Main()
3         Dim num As Integer
4         Do
5             Console.WriteLine("12345")
6             num = num + 1
7         Loop Until num > 5
8         Console.ReadLine()
9     End Sub
10 End Module
```

The output window on the right displays the result of the program execution:

```
12345
12345
12345
12345
12345
```