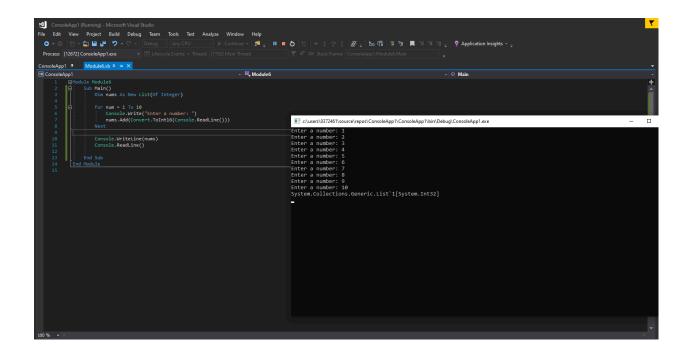
Topic: Repetition/Iteration – Use FOR..NEXT loop

1. Write a program to add a list of 10 numbers using the loop method. Ask the user to input the 10 numbers.

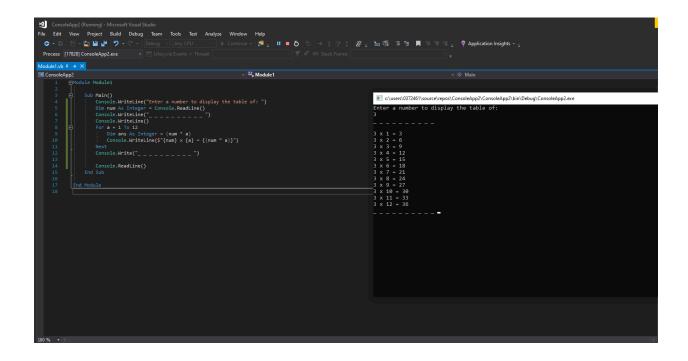


2. Write a program which outputs the multiplication table of the user's choice. The program will ask the user to enter a number until which the multiplication will be carried out.

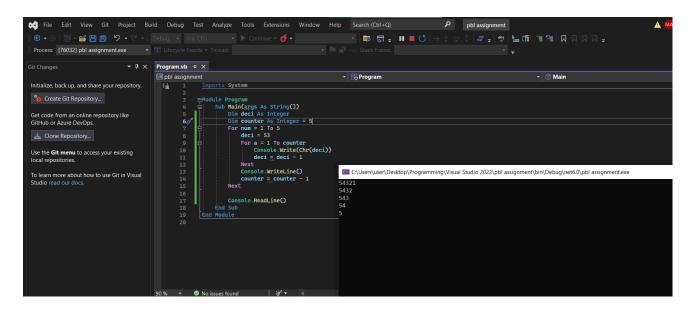
For example if the user enters 5, then the program must produce multiplications from $1 \times 1 = 1 \text{ till } 1 \times 5 = 5$.

Example output

```
1 x 1 =1
                 1 \times 2 = 2
                                   1 \times 3 = 3
                                                     1 \times 4 = 4
                                                                       1 \times 5 = 5
2 x1 = 2
                 2 \times 2 = 4
                                   2 \times 3 = 6
                                                                       2 \times 5 = 10
                                                     2 \times 4 = 8
3 \times 1 = 3
                 3 \times 2 = 6
                                   3 \times 3 = 9
                                                     3 \times 4 = 12
                                                                       3 \times 5 = 15
             12 x 1 = 12
                                                     12 x 4 = 48
                                                                     12 x 5 = 60
```

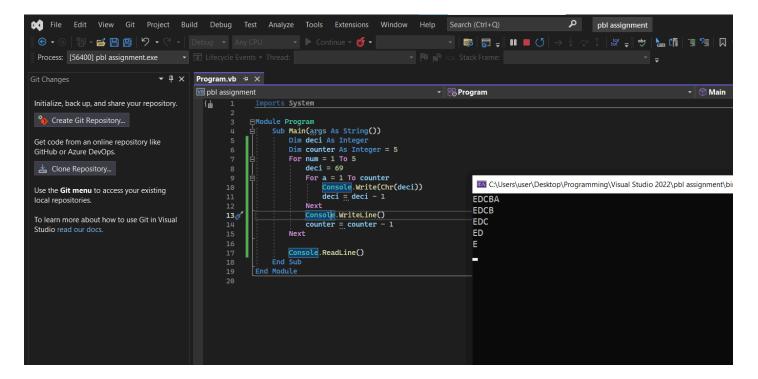


3. Using a NESTED loop, write a program to output the following:



4. Using a NESTED loop, write a program to output the following:

EDCBA EDCB EDC ED



Е

5. The following pseudocode represents a simple algorithm. Convert this algorithm into a Visual Basic program.

DECLARE NumberFound, Remainder, Number: INTEGER DECLARE StartNumber, EndNumber, Divisor: INTEGER

INPUT StartNumber

```
INPUT EndNumber
INPUT Divisor

NumberFound 0

FOR Number StartNumber TO EndNumber
Remainder = MODULUS(Number, Divisor)
IF Remainder = 0
THEN
OUTPUT Number
NumberFound = NumberFound + 1
ENDIF
ENDFOR
OUTPUT "Count: " & NumberFound
```

