

OUTPUT

value of a: 10

value of a: 11

value of a: 12

value of a: 13

value of a: 14

value of a: 15

value of a: 16

value of a: 17

value of a: 18

value of a: 19

12. Write a program of Do Loop in VB.NET.

Module loops

Sub Main()

'local variable definition

Dim a As Integer = 10

'do loop execution

Do

Console.WriteLine("value of a: {0}", a)

a = a + 1

Loop While (a < 20)

Console.ReadKey()

End Sub

End Module

OUTPUT

value of a: 10

value of a: 11

value of a: 12

value of a: 13

value of a: 14

value of a: 15

value of a: 16

value of a: 17

value of a: 18

value of a: 19

value of a: 20

13. Write a program to display numbers, between 10 and 20.

Module Loops

Sub Main()

→ Dim a As Byte
'for loop execution

For a = 10 To 20

Console.WriteLine("value of a: {0}", a)

Next

Console.ReadLine()

End Sub

End Module

OUTPUT

1

3

5

7

9

14. Write a program of Each...Next Loop in VB.NET.

Module loops

Sub Main()

Dim an Array() As Integer = {1, 3, 5, 7, 9}

Dim arrayItem As Integer

'displaying the values

For Each arrayItem In Array

Console.WriteLine(arrayItem)

Next

Console.ReadLine()

End Sub

End Module

OUTPUT

value of a: 10

value of a: 11

value of a: 12

value of a: 13

value of a: 14

value of a: 15

value of a: 16

value of a: 17

value of a: 18

value of a: 19

15. Write a program to display the numbers of While...End While Loop.

Module loops

Sub Main()

Dim a As Integer = 10

'While loop execution'

While a < 20

Console.WriteLine("value of a: {0}", a)

a = a + 1

End While

Console.ReadLine()

End Sub

End Module

OUTPUT

VB.Net Programming

Zara Ali

Information Technology

16. Write a program of With...End With Statement.

Module loops

Public Class Book

Public Property Name As String

Public Property Author As String

Public Property Subject As String

End Class

Sub Main()

Dim aBook As New Book

With aBook

.Name = "VB.Net Programming"

.Author = "Zara Ali"

.Subject = "Information Technology"

End With

With aBook

Console.WriteLine(.Name)

Console.WriteLine(.Author)

Console.WriteLine(.Subject)

End With

Console.ReadLine()

End Sub

End Module

OUTPUT

2 is Prime
3 is Prime
5 is Prime
7 is Prime
11 is Prime
13 is Prime
17 is Prime
19 is Prime
23 is Prime
29 is Prime
31 is Prime
37 is Prime
41 is Prime
43 is Prime
47 is Prime
53 is Prime
59 is Prime
61 is Prime
67 is Prime
71 is Prime
73 is Prime
79 is Prime
83 is Prime
89 is Prime
97 is Prime

17. Write a program of nested for loop to find the prime numbers from 2 to 100.

Module loops

Sub Main()

'local variable definition

Dim i, j As integer

For i = 2 To 100

For j = 2 To i

'if factor found, not prime

If $(i \text{ Mod } j) = 0$ Then

Exit For

End If

Next j

If $(j > (i \setminus j))$ Then

Console.WriteLine("{0} is Prime", i)

End If

Next i

Console.ReadLine()

End Sub

End Module

OUTPUT

value of a: 10

value of a: 11

value of a: 12

value of a: 13

value of a: 14

value of a: 15

18. Write a program of Exit Statement in VB.Net.

Module loops

Sub Main()

' local variable definition

Dim a As Integer = 10

' While (a < 20)

Console.WriteLine("value of a: {0}", a)

a = a + 1

If (a > 15) Then

' terminate the loop using exist statement

Exit While

End If

End While

Console.ReadLine()

End Sub

End Module

OUTPUT

value of a: 10

value of a: 11

value of a: 12

value of a: 13

value of a: 14

value of a: 15

value of a: 16

value of a: 17

value of a: 18

value of a: 19

19. Write a program of Continue Statement in VB.Net.

Module loops

Sub Main()

'local variable definition

Dim a As Integer = 10

Do

If (a = 15) Then

'Skip the iteration'

a = a + 1

Continue Do

End If

Console.WriteLine("value of a: {0}", a)

a = a + 1

Loop While (a < 20)

Console.ReadLine()

End Sub

End Module

OUTPUT

value of a: 10

value of a: 11

value of a: 12

value of a: 13

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value of a: 15

value of a: 16

value of a: 17

value of a: 18

value of a: 19

20. Write a program of GoTo Statement in VB.Net.

Module loops

Sub Main()

'local variable definition

Dim a As Integer = 10

Line1:

Do

If (a = 15) Then

'skip the iteration'

a = a + 1

GoTo Line1

End If

Console.WriteLine("value of a: {0}", a)

a = a + 1

Loop While (a < 20)

Console.ReadLine()

End Sub

End Module.

OUTPUT

1

2

3

21. Write a program to demonstrate the use of array of Integer type & also display the elements of array?

Module array

Sub Main()

Dim array(2) As Integer

array(0) = 1

array(1) = 2

array(2) = 3

Dim element as Integer

For each element in array

Console.WriteLine(element)

Next

Console.ReadKey()

End Sub

End Module