

A.

Module Module1

Sub Main()

Dim data As Object() = {12, 9, 30, "A", "M", 99, 82, "J", "N", "B"}

Dim hurufList As New List(Of String)

Dim angkaList As New List(Of Integer)

For Each item In data

If TypeOf item Is String Then

hurufList.Add(item)

Elseif IsNumeric(item) Then

angkaList.Add(CInt(item))

End If

Next

hurufList.Sort()

angkaList.Sort()

Dim hasil As New List(Of Object)

hasil.AddRange(hurufList)

hasil.AddRange(angkaList)

Console.WriteLine "[" & String.Join(", ", hasil) & "]")

Console.ReadLine()

End Sub

End Module

Output :

["A", "B", "J", "M", "N", 9, 12, 30, 82, 99]

B.

Sub Main()

Dim teks As String = "aaaaaa"

Dim pola As String = "aa"

Dim hasil = pattern_count(teks, pola)

Console.WriteLine("Jumlah kemunculan pola: " & hasil)

End Sub

Output :

Jumlah kemunculan pola: 5

C.

Sub Main()

Dim input As String = "Hello World"

Dim frekuensi = HitungHuruf(input)

Console.WriteLine("Hasil:")

For Each pasangan In frekuensi

Console.WriteLine(\$"""{pasangan.Key}"" : {pasangan.Value}")

Next

Console.ReadLine()

End Sub

Output :

"d": 1

"e": 1

"H": 1

"l": 3

"o": 2

"r": 1

"W": 1