

Practical No: 05

VIII. Resources required (Additional)

- if any web references are required.

X. Resources used (Additional)

- (1) <https://docs.microsoft.com/en-us/dotnet/visual-basic/language-reference/statements/select-case-statement>
- (2) https://www.tutorialspoint.com/vb.net/vb.net_select_case_statements.htm

XI. Program Code:

Write a Program using select case statement in VB.NET

Module Module1

```
Sub Main()  
    Dim grade As String  
    Console.WriteLine("Enter Your grade")  
    grade = Console.ReadLine()  
    Select Case grade  
        Case "A"  
            Console.WriteLine("High Distinction")  
        Case "A-"  
            Console.WriteLine("Distinction")  
        Case "B"  
            Console.WriteLine("Credit")  
        Case "C"  
            Console.WriteLine("Pass")  
        Case Else  
            Console.WriteLine("Fail")  
    End Select  
    Console.ReadLine()  
End Sub
```

End Module

XII. Results (Output of the Program)

Enter Your grade

A

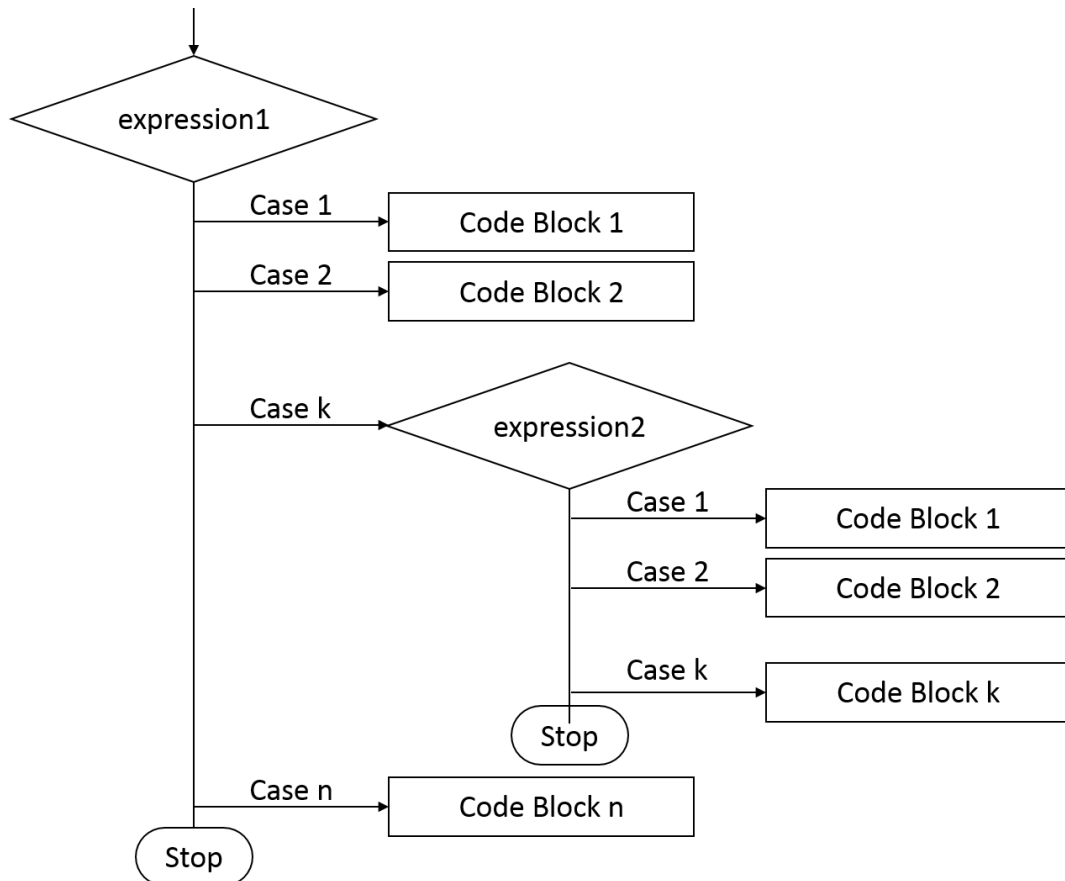
High Distinction

XIII. Practical Related Questions

1. Write the use of Select Case statement –

- A Select Case statement allows a variable to be tested for equality against a list of values.
- Each value is called a case, and the variable being switched on is checked for each select case.

2. Flowchart for nested Select Case statement –



XIV. Exercise

1. Implement the program using Select Case statement to count the number of Vowels in A to Z alphabets.

➤ Module Module1

```
Sub Main()
    Dim str As String = "ABCDEFGHIJKLMNOPQRSTUVWXYZ"
    Dim numberOfVowels As Integer = 0

    For Each c As Char In str
        Select Case c
            Case "A"c, "E"c, "I"c, "O"c, "U"c
                numberOfVowels = numberOfVowels + 1
        End Select
    Next

    Console.WriteLine("Number of vowels: " & numberOfVowels)
    Console.ReadKey()
End Sub
```

End Module

Output:

Number of vowels: 5

2. Develop a program for performing arithmetic operations –

Module Module1

Sub Main()

Dim N1, N2, Result, choice As Integer

Do

Console.WriteLine("Menu:-\n1.Add\n2.Subtract" & _
"\n3.Multiply\n4.Divide\n5.Exit.")

Console.WriteLine("Enter choice: ")

choice = Console.ReadLine()

Console.WriteLine("Enter number 1: ")

N1 = Console.ReadLine()

Console.WriteLine("Enter number 2: ")

N2 = Console.ReadLine()

Select Case choice

Case 1

Result = N1 + N2

Console.WriteLine("Sum = " & Result)

Case 2

Result = N1 - N2

Console.WriteLine("Difference = " & Result)

Case 3

Result = N1 * N2

Console.WriteLine("Product = " & Result)

Case 4

Result = N1 \ N2

Console.WriteLine("Quotient = " & Result)

Result = N1 Mod N2

Console.WriteLine("Remainder = " & Result)

Case 5

Exit Sub

Case Else

Console.WriteLine("Wrong option ...")

End Select

Loop While choice <> 5

End Sub

End Module

Output:**Menu:-\n1.Add\n2.Subtract\n3.Multiply\n4.Divide\n5.Exit.****Enter choice: 1****Enter number 1: 57****Enter number 2: 87****Sum = 144****Menu:-\n1.Add\n2.Subtract\n3.Multiply\n4.Divide\n5.Exit.****Enter choice: 5**