Assignment 1

Dim string1, alphabets As String

Dim ispangram As Boolean

Dim i As Integer

Dim char1 As Char

alphabets = "abcdefghijklmnopqrstuvwxyz"

i = 0

ispangram = True

char1 = ""

string1 = ""

Console.Write("enter string to process: ")

string1 = Console.ReadLine

string1 = LCase(string1)

For i = 1 To Len(alphabets)

char1 = Mid(alphabets, i, 1)

If InStr(string1, char1) = 0 Then ispangram = False

If ispangram = False Then Exit For

Next i

If ispangram = True Then

Console.WriteLine("entered string is pangram")

Else

Console.WriteLine("entered string is not pangram")

End If

Console.ReadKey()

Assignment 2

Dim string1, string2 As String

Dim char1, char2, char3 As Char

Dim i As Integer

string2 = ""

string1 = ""

char1 = ""

char2 = ""

char3 = ""

i = 0

Console.Write("enter string to be processed: ")

string1 = Console.ReadLine

Console.Write("enter character to select in the string: ")

char1 = Console.ReadLine

Console.Write("enter character to replace in the string: ")

char2 = Console.ReadLine

For i = 1 To Len(string1)

char3 = Mid(string1, i, 1)

If char3 = char1 Then

string2 = string2 + char2

Else

string2 = string2 + char3

End If

Next

Console.WriteLine("processed string after replacement is: " & string2)

Console.ReadKey()

Assignment 3

Dim string1, string2 As String

Dim char1, char2, char3 As Char

Dim i, counteralphabets, countentered, countdigits, countother As Integer

Dim alphabets As String

Dim alphabet As Boolean

alphabet = True

string1 = ""

string2 = ""

char1 = ""

char2 = ""

char3 = ""

i = 0

counteralphabets = 0

countentered = 0

countdigits = 0

countother = 0

alphabets = "abcdefghijklmnopqrstuvwxyz"

Console.Write("enter string to be processed: ")

string1 = Console.ReadLine

Console.Write("enter character to be counted: ")

char1 = Console.ReadLine

LCase(string1)

For i = 1 To Len(string1)

char2 = Mid(string1, i, 1)

If Asc(char2) > 47 And Asc(char2) < 59 Then

countdigits = countdigits + 1

ElseIf Asc(char2) > 96 And Asc(char2) < 123 Then

counteralphabets = counteralphabets + 1

Else

countother = countother + 1

End If

If char2 = char1 Then

countentered = countentered + 1

End If

Next

Console.WriteLine("character was entered: " & countentered & " times")

Console.WriteLine("alphabets are: " & counteralphabets)

Console.WriteLine("digits are: " & countdigits)

Console.WriteLine("other keys are: " & countother)

Console.ReadKey()

Assignment 4

Dim string1 As String

Dim letter1 As Char

Dim i, j As Integer

Dim count As Integer

Dim maxCount As Integer

Dim mostFrequentChar As Char

count = 0

maxCount = 0

string1 = ""

Console.Write("Enter string: ")

string1 = Console.ReadLine

For i = 1 To Len(string1)

letter1 = Mid(string1, i, 1)

count = 0

For j = 1 To Len(string1)

If Mid(string1, j, 1) = letter1 Then

count = count + 1

End If

If count > maxCount Then

maxCount = count

Next j

If count > maxCount Then

maxCount = count

mostFrequentChar = letter1

End If

Next i

Console.WriteLine("The character that appears most frequently is: " & mostFrequentChar)

Console.ReadKey()

Assignment 5

Dim string1 As String

Dim char1, char2 As Char

Dim i, countofA, countofE, countofI, countofU, countofO As Integer

string1 = ""

char1 = ""

char2 = ""

i = 0

countofA = 0

countofE = 0

countofI = 0

countofO = 0

countofU = 0

Console.Write("enter string: ")

string1 = Console.ReadLine

LCase(string1)

For i = 1 To Len(string1)

char2 = Mid(string1, i, 1)

If Asc(char2) = 97 Then

countofA = countofA + 1

ElseIf Asc(char2) = 101 Then

countofE = countofE + 1

ElseIf Asc(char2) = 105 Then

countofI = countofI + 1

ElseIf Asc(char2) = 111 Then

countofO = countofO + 1

ElseIf Asc(char2) = 117 Then

countofU = countofU + 1

End If

Next

Console.WriteLine("a: " & countofA & " times")

Console.WriteLine("e: " & countofE & " times")

Console.WriteLine("i: " & countofI & " times")

Console.WriteLine("o: " & countofO & " times")

Console.WriteLine("u: " & countofU & " times")

Console.ReadKey()

Assignment 6

Dim numberofdonuts As Integer

numberofdonuts = 0

Console.Write("enter number of donuts: ")

numberofdonuts = Console.ReadLine

If numberofdonuts >= 10 Then

Console.WriteLine("Number of donuts: many")

Else

Console.WriteLine("Number of donuts: " & numberofdonuts)

End If

Console.ReadKey()

Assignment 7

Dim char1, char2, char3 As Char

Dim string1 As String

Dim i As Integer

i = 0

char1 = ""

char2 = ""

char3 = ""

string1 = ""

Console.Write("enter string: ")

string1 = Console.ReadLine

If Len(string1) > 1 Then

Console.WriteLine(Left(string1, 2) & Right(string1, 2))

Else

Console.WriteLine(string1)

End If

Console.ReadKey()

Assignment 8

Dim string1, string2 As String

Dim char1, char2, char3 As Char

Dim i As Integer

i = 0

string1 = ""

string2 = ""

char1 = ""

char2 = ""

char3 = ""

Console.Write("enter string: ")

string1 = Console.ReadLine

char1 = Left(string1, 1)

string2 = string2 & char1

For i = 2 To Len(string1)

char2 = Mid(string1, i, 1)

If char2 = char1 Then

char2 = "\*"

string2 = string2 & char2

Else : char3 = char2

string2 = string2 & char3

End If

Next

Console.WriteLine(string2)

Console.ReadKey()

Assignment 9

Dim a, b, result As String

Console.Write("Enter the first string (a): ")

a = Console.ReadLine()

Console.Write("Enter the second string (b): ")

b = Console.ReadLine()

result = Mid(b, 1, 2) & Mid(a, 3) & " " & Mid(a, 1, 2) & Mid(b, 3)

Console.WriteLine("Result: " & result)

Console.ReadKey()

Assignment 10

Dim string1, string2, string3, string4 As String

Dim i, count As Integer

Dim char1, char2, char3 As Char

char1 = ""

char2 = ""

char3 = ""

string1 = ""

string2 = "ly"

string3 = "ing"

string4 = ""

i = 0

count = 0

Console.Write("enter word: ")

string1 = Console.ReadLine

If Len(string1) > 2 And Right(string1, 3) = "ing" Then

string4 = string1 & string2

ElseIf Len(string1) > 2 Then

string4 = string1 & string3

Else

string4 = string1

End If

Console.WriteLine(string4)

Console.ReadKey()

Assignment 11

Dim string1, afterbad, beforenot, string3 As String

Dim char1, char2 As Char

Dim notindex, badindex As Integer

string3 = ""

string1 = ""

afterbad = ""

beforenot = ""

char1 = ""

char2 = ""

notindex = 0

badindex = 0

Console.Write("enter sentence: ")

string1 = Console.ReadLine

If InStr(string1, "Not") < InStr(string1, "bad") Then

notindex = InStr(string1, "Not")

badindex = InStr(string1, "bad")

beforenot = Left(string1, notindex - 1)

afterbad = Mid(string1, badindex + 3)

string3 = beforenot & "good" & afterbad

Console.WriteLine(string3)

Console.ReadKey()