****

**UNIVERSITI UTARA MALAYSIA**

**SEMESTER 1 (A191)**

**SQIT1013 PROGRAMMING IN BUSINESS APPLICATIONS**

**（GROUP B）**

**ASSIGNMENT 2**

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**THREE (3) VB Questions and Answers involving iteration (2 For..next and 1 Do..While)**

**1. (a)Write a program to print integer number from 1 to 10 using Do While.**

**(b)Write a program to store even numbers of 2,4,6,8,10 using For Loop. Hints: Array.**

**(c)Based on question 1(b), print the array of even numbers.**

**1.(a), (b), (c)**

Module Module1

Sub Main()

Dim a As Integer = 0

Dim b As Integer = 1

'print 1-10 using do while

Do While a <= 9

a += b

Console.WriteLine(a)

Loop

Dim arr(10) As Integer

Dim i As Integer = 1

Dim j As Integer = 0

' store some value to array

For i = 0 To 9

j += 2

arr(i) = j

Next i

'print array

For j = 0 To 9

Console.WriteLine(arr(j))

Next j

Console.ReadKey()

End Sub

End Module

**TWO (2) VB Questions and Answers involving iteration + array.**

**2. (a)Store User input to an Array of fruits.**

**（b)****Store odd numbers of 1,3,5,7,9 to an Array.**

**2.(a)** **Store User input to an Array of fruits.**

Module Module1

Public Sub Main(ByVal args() As String)

Dim fruits(3) As String

Dim i As Integer

'Ask for 3 fruits and Store to Array

For i = 0 To 2

Console.WriteLine("Enter a fruit")

fruits(i) = Console.ReadLine()

Next i

' print array

For i = 0 To 2

Console.WriteLine(i + 1 & " " & fruits(i))

Next i

End Sub

**2.(b)** **Store odd numbers of 1,3,5,7,9 to an Array.**

Module Module1

Sub Main()

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

Dim i As Integer

For i = 0 To 4

Console.WriteLine("Element({0}): {1}", i, arr(i))

Next i

Console.Write("Press anything to exit")

Dim input As String = Console.ReadLine()

End Sub

End Module

**ONE (1) VB Questions and Answers involving iteration + array + textfile.**

**3.Write User input about an Array of fruits into a Text File.**

Imports System.IO

Module Module1

Public Sub Main(ByVal args() As String)

Dim objStreamWriter As StreamWriter = New StreamWriter("D:/User's Files/Desktop/Textfile.txt")

Dim fruits(3) As String

Dim i As Integer

'Ask for 3 fruits and Store to Array

For i = 0 To 2

Console.WriteLine("Enter a fruit")

fruits(i) = Console.ReadLine()

Next i

'Print array and write to a text file

For i = 0 To 2

Console.WriteLine(i + 1 & " " & fruits(i))

objStreamWriter.WriteLine(i + 1 & " " & fruits(i))

Next i

objStreamWriter.Close()

End Sub

End Module

**ONE (1) VB Questions and Answers involving Database.**

**4.Write a program to store students ’s information which involve Username, Course and Subject. Data must be insert into database table.**

Public Class Form1

Private Sub Form1\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

'TODO: This line of code loads data into the '\_Database1\_\_accdb\_DataSet.Table1' table. You can move, or remove it, as needed.

Me.Table1TableAdapter.Fill(Me.\_Database1\_\_accdb\_DataSet.Table1)

End Sub

Private Sub Button1\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click

Dim Username As String

Dim Course As String

Dim Subject As String

Username = Me.Username.Text

Course = Me.Course.Text

Subject = Me.Subject.Text

Me.Table1TableAdapter.Insert(Username, Course, Subject)

Me.Table1TableAdapter.Fill(Me.\_Database1\_\_accdb\_DataSet.Table1)

MsgBox("Added")

Username = ""

Course = ""

Subject = ""

End Sub

End Class

