

 <p>المدرسة الأهلية AHLIA SCHOOL BAHRAIN</p>	<p align="center"><b>FINAL EXAMINATION FIRST SEMESTER REVISION BOOKLET – ANSWER KEY</b></p>
	<p><b>Grade : 10</b></p>
<p><b>AY 2018 - 2019</b></p>	<p><b>Subject: ICT</b></p>
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### Question 1

State two points for each of the following.

Procedures used in Visual Basic.

1. Subs
2. Functions

Mouse events.

1. Mouse click
2. Mouse up

Loops.

1. For .. Loop
2. Do While .. Loop

### Question 2

Instruction: Answer the questions given below based on your knowledge about Visual Basic 2008.

- a. Differentiate between Subs and Functions.

A **Sub** procedure is a series of **Visual Basic** statements enclosed by the **Sub** and **End Sub** statements. The **Sub** procedure performs a task and then returns control to the calling code, but it does not return a value to the calling code.

A **Function** procedure is a series of Visual Basic statements enclosed by the **Function** and **End Function** statements. The **Function** procedure performs a task and then returns control to the calling code. When it returns control, it also returns a **value** to the calling code.

b. How to refer to the third element in the following Array?

Name(6)

Name(2)

c. Decide when to use ByVal when passing parameters in a Function.

**ByVal** is used when passing a copy of a variable to your Subroutine.

### Question 3

Declare each of the following

a. A For Loop to print the numbers from number 1 up to 100.

For i=1 to 100

b. A Do while loop to print numbers, where the numbers are less than 300.

Do while i < 100

Next

c. An Array to store grade 10 students' names.

Dim Student-Name(19) As String

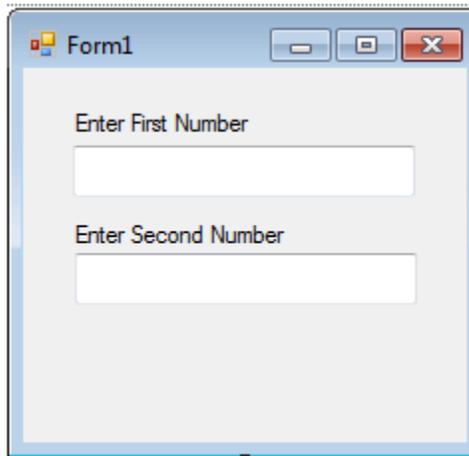
d. A Function to add two different Integer values.

Function Add(ByVal num1 As Integer, ByVal num2 As Integer) As Integer

Return num1 + num2

Using Visual Basic 2008, Design the following programs.

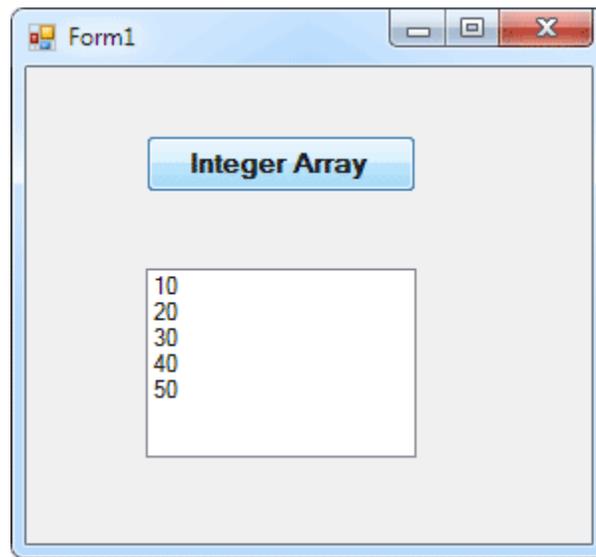
#### Question 4

A screenshot of a Windows application window titled "Form1". The window has a standard Windows title bar with minimize, maximize, and close buttons. The main content area of the window is light gray and contains two text labels and two text boxes. The first label is "Enter First Number" followed by a white text box. The second label is "Enter Second Number" followed by another white text box. The text boxes are empty.

- Design the form as shown in the figure.
- When the user move the mouse up the answer will appear in a **Message Box**.

Save the application as **summation**.

## Question 5



Design the form as shown above.

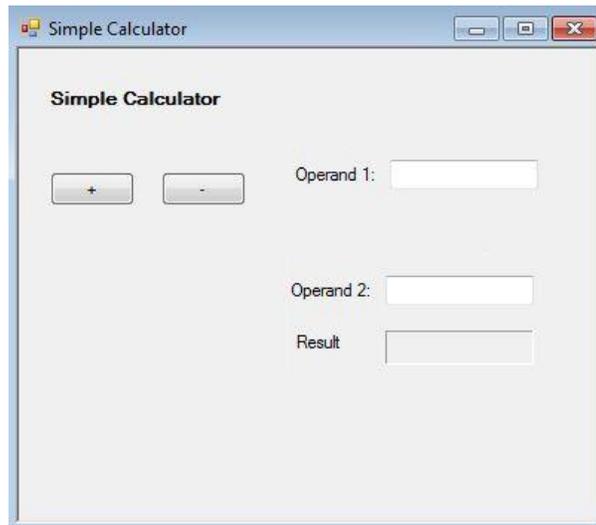
Write a program to **insert the following numbers in a List Box: 10,20,30,40 and 50**

**Store all the numbers in an Array.**

When the user click Integer Array all the Array elements will be displayed in a separate line within the List Box

Save the application as **Integer Array.**

## Question 6



Design the form as shown above.

Create **two functions**:

The first function will add two different values

The second function will subtract two different value.

The user will enter two values.

When + button is clicked the Add function will be called to print the result in a text box. Otherwise when – button is clicked the Subtract function will be called to print the result in a text box.

Save the application as **Simple Calculator**.