

**PENANG SANGAM HIGH SCHOOL**  
**P.O.BOX 44, RAKIRAKI**  
**LESSON NOTES 18**

**Year/Level: 12**      **Subjects: Computer Studies**

<b>Strand:</b>	CE <b>Strand:</b> CE 2 Application Packages
<b>Sub-strand:</b>	CE 12.2.1 Visual Basic.NET Programming (VB NET)
<b>Content Learning Outcome:</b>	Different types of controls

**Lesson Notes**

**Text box** object is used to display text on a form or to get user input

**Masked Textbox** - This control is a Textbox that provides a mask that helps the user in entering a value in a particular format.

**Group Box control** this control provides a visible border and caption which can help the user to work with a complicated form containing lot of controls.

**Checkbox** control provides a lot of events but the most used is certainly **CheckChanged event** that you could use to perform some action.

**Radio button** or option button is a type of graphical user interface element that allows the user to choose only one of a predefined set of options.

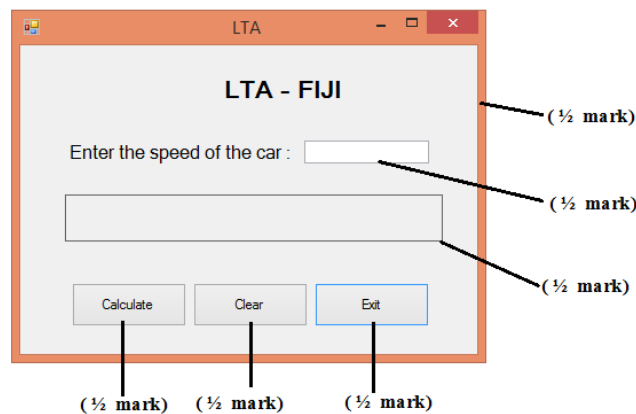
**Picture Box control** can be used to hold an image.

**Example**

Study a program for Land Transport Authority - Fiji that asks the traffic officer to enter the speed of the car in a textbox and then displays the following fine messages in a label.

Car Speed	Fine Message
<= 50	There is no Fine. You are a good driver.
51-64 (inclusive)	Please slow down. Your fine is \$15.00
65 – 79 (inclusive)	Your fine is \$80.
>80	Your fine is \$200 and your license is suspended for 1 year

(i) Sketch the user interface (Provide appropriate names for the controls)? (3 marks)



(ii) State the properties of the objects (tabular format)?

(3 marks)

Object	Properties	Value
Form1	Name	frmLTA
Label1	Name	lblSpeed
	Text	Enter the speed of the car:
	AutoSize	False
Textbox1	Name	txtSpeed
Label2	Name	lblResult
	Text	Empty
	AutoSize	False
Button1	Name	btnCalculate
	Text	Calculate
Button2	Name	btnClear
	Text	Clear
Button3	Name	btnExit
	Text	Exit

(iii) Write an IF-ELSE program for Land Transport Authority?

[Decision Structures (IF Then ELSE Statements)]

If speed > 80 Then

    Textbox1.text = "Your fine is \$200 and your license is suspended for 1 year"

ElseIf speed > 65 Then

    Textbox1.text = "Your fine is \$80"

ElseIf speed > 51 Then

    Textbox1.text = "Please slow down. Your fine is \$15.00"

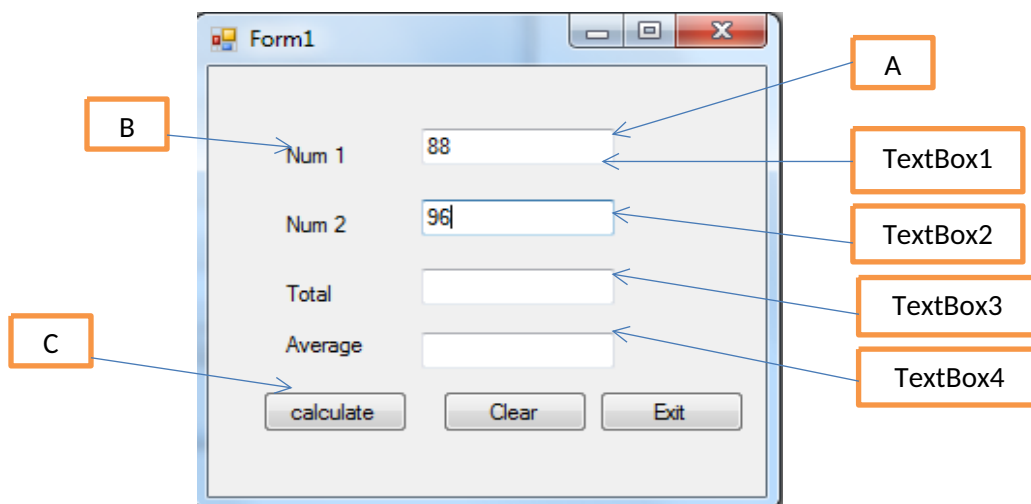
Else

    Textbox1.text = "There is no fine. You are a good driver"

End If

### Exercise

Study the diagram given below



(i) Label the type of controls used in Visual Basic form above.

(ii) Write the coding of Calculate, Clear, Exit