2.2 The following program first reads four input marks and then displays the computed total and average mark.

Step 1: Create a form with two command buttons, five labels, four text boxes and one picture box according to the properties table below

Properties Table

Object	Property	Setting	
Form	Name	frmAverage	
	Caption	Average of Marks	
Command Button	Name	cmdCompute	
	Caption	&Compute Average	
Command Button	Name	cmdExit	
	Caption	&Exit	
Label	Name	LblMark1	
	Caption	First Mark	
Label	Name	LblMark2	
	Caption	Second Mark	
Label	Name	LblMark3	
	Caption	Third Mark	
Label	Name	LblMark4	
	Caption	Fourth Mark	
Label	Name	lblMessage	
	Caption	Please enter four marks (0 -	
		100)	
Text Box	Name	TxtMark1	
	Caption	(empty)	
Text Box	Name	TxtMark2	
	Caption	(empty)	
Text Box	Name	TxtMark3	
	Caption	(empty)	
Text Box	Name	TxtMark4	
	Caption	(empty)	
Picture Box	Name	picOutput	
	Caption	(empty)	

Layout

🐂 Average of r	narks		
First Mark		Third Mark	
Second Mark		Fourth Mark	
Please enter fo	our marks (0 - 10)0)	
			:
: <u>C</u> omput	e Average		<u>Exit</u>

Step 2 : Add codes for the events cmdCompute_Click() cmdExit

Codes for cmdCompute

Private Sub cmdCompute_Click() Dim Mark1 As Integer, Mark2 As Integer Dim Mark3 As Integer, Mark4 As Integer Dim Total As Integer Dim Average As Single

Mark1 = Val(txtMark1.Text) Mark2 = Val(txtMark2.Text) Mark3 = Val(txtMark3.Text) Mark4 = Val(txtMark4.Text) Total = Mark1 + Mark2 + Mark3 + Mark4 Average = Total / 4

picOutput.Cls picOutput.Print "The input four marks are : " picOutput.Print Tab(5); Mark1; Tab(13); Mark2; Tab(21); _ Mark3; Tab(29); Mark4

picOutput.Print picOutput.Print "The total of the four marks "; Tab(35); _ Format(Total, "#######0") picOutput.Print "The average of the four marks "; Tab(35); _ Format(Average, "####.0")

End Sub

Codes for cmdExit

Private Sub cmdExit_Click() End End Sub

Step 3 : Execution

Click the **txtMark1** text box and type 90 Click the **txtMark2** text box and type 80 Click the **txtMark3** text box and type 30 Click the **txtMark1** text box and type 25 Click the **Compute Average** command button Try other values for marks Terminate the program by clicking the **Exit** button

Task : Try to modify the program	so that the	deviation of	of each	mark fro	om the	average	will
be shown as follows.							

📬, Average and	l deviation of ms	rks	
First Mark	97	Third Mark	40
Second Mark	36	Fourth Mark	30
Please enter fo	our marks (0 - 10	0)	
The input four 97 :	rmarksare: 36 40	30	
The total of th The average	ie four marks of the four marks	203 50.8	
Mark 97	Deviation 46.3		
36 40	-14.8 -10.8		
30	-20.8		
[Ompu	te Average		<u>E</u> xit