

VB PRACTICAL 1

Q1. Write a project in VB to design a suitable form to Welcome for the session.

Start → All Programs → Microsoft Visual Studio 6.0 → Microsoft Visual Basic 6.0

Click on Standard Exe

Click on Open

Answer

Form

The image shows a screenshot of a Visual Basic form titled "VB Trial". Inside the form, there is a label with the text "SIES College of Com. & Eco." centered at the top. Below the label, there are two buttons: "Welcome" on the left and "Exit" on the right.

Controls & their Properties

Obj	Prop	Val
Form	Name Caption	frmVBPracticals VB Trial
Label	Name Caption	lblName SIES College
Command Button	Name Caption	cmdWelcome Welcome
Command Button	Name Caption	cmdExit Exit

Coding

Click on Welcome

```
Private Sub cmdWelcome_Click()  
MsgBox“ VB is very User Friendly”  
End Sub
```

Click on Exit

```
Private Sub cmdExit_Click()  
End  
End Sub
```

Q2. Write a project in VB to design a suitable form to add two numbers and display their Sum.

Form

Sum		
Number1		
Number2		
Sum		
<u>S</u> um	<u>C</u> lear	<u>E</u> xit

Controls & their Properties

Object	Property	Value
Form	Name Caption	frmSum Sum
Label	Name Caption	lblNumber1 Number1
Label	Name Caption	lblNumber2 Number2
Label	Name Caption	lblSum Sum
Text Box	Name Text	txtNumber1
Text Box	Name Text	txtNumber2
Text Box	Name Text	txtSum
Command Button	Name Caption	cmdSum &Sum
Command Button	Name Caption	cmdClear &Clear
Command Button	Name Caption	cmdExit &Exit

Code

```
Private Sub cmdSum_Click()  
    TxtSum=Val(txtNumber1)+Val(txtNumber2)  
End Sub  
  
Private Sub cmdClear_Click()  
    txtNumber1= ""  
    txtNumber2=""  
    txtSum=""  
    txtNumber1.SetFocus  
End Sub  
  
Private Sub cmdExit_Click()  
End  
End Sub
```

Q3. Write a project in VB to design a suitable form to multiply two numbers and display their Product.

Form

Product		
Number1		
Number 2		
Product		
<u>P</u> roduct	<u>C</u> lear	<u>E</u> xit

Controls & their Properties

Object	Property	Value
Form	Name Caption	frmProduct Product
Label	Name Caption	lblNumber1 Number1
Label	Name Caption	lblNumber2 Number2
Label	Name Caption	lblProduct Product
Text Box	Name Text	txtNumber1
Text Box	Name Text	txtNumber2
Text Box	Name Text	txtProduct
Command Button	Name Caption	cmdProduct &Product
Command Button	Name Caption	cmdClear &Clear
Command Button	Name Caption	cmdExit &Exit

Code

```
Private Sub cmdProduct_Click()  
    TxtProduct=Val(txtNumber1)*Val(txtNumber2)  
End Sub  
  
Private Sub cmdClear_Click()  
    txtNumber1= ""  
    txtNumber2=""  
    txtProduct=""  
    txtNumber1.SetFocus  
End Sub  
  
Private Sub cmdExit_Click()  
End  
End Sub
```

VB PRACTICAL 2

Q1. Write a project in VB to design a suitable form to enter sales and calculate and display bonus which is 10% of sales.

Form

Bonus		
Sale Amount		<input style="width: 90%;" type="text"/>
Bonus		<input style="width: 90%;" type="text"/>
<u>C</u> alculate	<u>C</u> lear	<u>E</u> xit

Controls & their Properties

Object	Property	Value
Form	Name	frmBonus
	Caption	Bonus
Label	Name	lblSales
	Caption	Sales Amount
Label	Name	lblBonus
	Caption	Bonus
Text Box	Name	txtSales
	Text	
Text Box	Name	txtBonus
	Text	
Command Button	Name	cmdCalculate
	Caption	&Calculate
Command Button	Name	cmdClear
	Caption	&Clear
Command Button	Name	cmdExit
	Caption	&Exit

Code

```
Private Sub cmdCalculate_Click()
```

```
txtBonus=val(txtSales)*0.1
```

```
End Sub
```

```
Private Sub cmdClear_Click()
```

```
txtSales= ""
```

```
txtBonus=""
```

```
txtSales.SetFocus
```

```
End Sub
```

```
Private Sub cmdExit_Click()
```

```
End
```

```
End Sub
```

Q2. Write a project in VB to design a suitable form to enter salary and calculate and display DA which is 90% of salary.

Form

DA		
Salary		
DA		
<u>C</u> alculate	<u>C</u> lear	<u>E</u> xit

Controls & their Properties

Object	Property	Value
Form	Name	frmDA
	Caption	DA
Label	Name	lblSalary
	Caption	Salary
Label	Name	lblDA
	Caption	DA
Text Box	Name	txtSalary
	Text	
Text Box	Name	txtDA
	Text	
Command Button	Name	cmdCalculate
	Caption	&Calculate
Command Button	Name	cmdClear
	Caption	&Clear
Command Button	Name	cmdExit
	Caption	&Exit

Code

```
Private Sub cmdCalculate_Click()
```

```
txtDA=val(txtSalary)*0.9
```

```
End Sub
```

```
Private Sub cmdClear_Click()
```

```
txtSalary= ""
```

```
txtDA=""
```

```
txtSalary.SetFocus
```

```
End Sub
```

```
Private Sub cmdExit_Click()
```

```
End
```

```
End Sub
```


Q3. Write a project in VB to design a suitable form to enter the side of a square and display the area of the square.

Form

The form is titled "Area" and contains the following elements:

- A label "Side" with a corresponding text box for input.
- A label "Area" with a corresponding text box for output.
- Three buttons: "Calculate", "Clear", and "Exit".

Controls & their Properties

Object	Property	Value
Form	Name Caption	frmArea Area
Label	Name Caption	lblSide Side
Label	Name Caption	lblArea Area
Text Box	Name Text	txtSide
Text Box	Name Text	txtArea
Command Button	Name Caption	cmdCalculate &Calculate
Command Button	Name Caption	cmdClear &Clear
Command Button	Name Caption	cmdExit &Exit

Code

```
Private Sub cmdCalculate_Click()  
txtArea=val(txtSide)*val(txtSide)  
End Sub  
  
Private Sub cmdClear_Click()  
txtSide= ""  
txtArea=""  
txtSide.SetFocus  
End Sub  
  
Private Sub cmdExit_Click()  
End  
End Sub
```

Q4. Write a project in VB to design a suitable form to enter length & breadth of a rectangle and display the area of the rectangle.

Form

Area Perimeter of Rectangle	
Length	<input type="text"/>
Breadth	<input type="text"/>
Area	<input type="text"/>
Perimeter	<input type="text"/>
<input type="button" value="Calculate"/>	<input type="button" value="Clear"/> <input type="button" value="Exit"/>

Controls & their Properties

Object	Property	Value
Form	Name Caption	frmArea Area of Rectangle
Label	Name Caption	lblLength Length
Label	Name Caption	lblBreadth Breadth
Label	Name Caption	lblArea Area of Rectangle
Label	Name Caption	lblPerimeter Perimeter
Text Box	Name Text	txtLength
Text Box	Name Text	txtBreadth
Text Box	Name Text	txtArea
Text Box	Name Text	txtPerimeter
Command Button	Name Caption	cmdCalculate &Calculate
Command Button	Name Caption	cmdClear &Clear
Command Button	Name Caption	cmdExit &Exit

Code

```
Private Sub cmdCalculate_Click()  
txtArea=Val(txtLength)*Val(txtBreadth)  
txtPerimeter=2*(Val(txtLength)+Val(txtBreadth))  
End Sub  
  
Private Sub cmdClear_Click()  
txtLength= ""  
txtBreadth= ""  
txtArea= ""  
txtPerimeter= ""  
txtlength.SetFocus  
End Sub  
  
Private Sub cmdExit_Click()  
End  
End Sub
```

VB Practical 3

Q1. Write a project in VB to design a suitable form to enter Roll No. & marks of a student and display the result where result is Pass if marks are greater than 40 and Fail otherwise.

Form

Result	
Rno	
Marks	
Result	
Calculate	Clear
Exit	

Controls & their Properties

Object	Property	Value
Form	Name Caption	frmResult Result
Label	Name Caption	lblRno Rno
Label	Name Caption	lblMarks Marks
Label	Name Caption	lblResult Result
Text Box	Name Text	txtRno
Text Box	Name Text	txtMarks
Text Box	Name Text	txtResult
Command Button	Name Caption	cmdCalculate &Calculate
Command Button	Name Caption	cmdClear &Clear
Command Button	Name Caption	cmdExit &Exit

Code

```
Private Sub cmdCalculate_Click()
```

```
If Val(txtMarks) >= 40 Then
```

```
txtResult = "PASS"
```

```
Else txtResult = "FAIL"
```

```
End If
```

```
End Sub
```

```
Private Sub cmdClear_Click()
```

```
txtRno = ""
```

```
txtMarks = ""
```

```
txtResult = ""
```

```
txtRno.SetFocus
```

```
End Sub
```

```
Private Sub cmdExit_Click()
```

```
End
```

```
End Sub
```

Q2. Write a VB Project to design a suitable form to enter a number and display whether it is even or odd.

Form

Odd/Even		
Number	<input type="text"/>	
Result	<input type="text"/>	
<u>C</u> alculate	<u>C</u> lear	<u>E</u> xit

Controls & their Properties

Object	Property	Value
Form	Name Caption	frmOddEven OddEven
Label	Name Caption	lblNumber Number
Label	Name Caption	lblResult Result
Text Box	Name Text	txtNumber
Text Box	Name Text	txtResult
Command Button	Name Caption	cmdCalculate &Calculate
Command Button	Name Caption	cmdClear &Clear
Command Button	Name Caption	cmdExit &Exit

Code

```
Private Sub cmdCalculate_Click()  
If Val(txtNumber) Mod 2 = 0 Then  
txtResult = "EVEN"  
Else txtResult = "ODD"  
End If  
End Sub  
Private Sub cmdClear_Click()  
txtNumber = ""  
txtResult = ""  
txtNumber.SetFocus  
End Sub  
Private Sub cmdExit_Click()  
End  
End Sub
```

Q3. Write a VB Project to design a suitable form to enter the height of a person and display the message “Allowed to take a ride” if the height is 54 inches or above; else display the message “ Sorry! Not Allowed to take a ride”.

Ride		
Height		
Ride	Clear	Exit

Controls & their Properties

Object	Property	Value
Form	Name Caption	frmRide Ride
Label	Name Caption	lblHeight Height
Text Box	Name Text	txtHeight
Command Button	Name Caption	cmdRide &Ride
Command Button	Name Caption	cmdClear &Clear
Command Button	Name Caption	cmdExit &Exit

Code

```
Private Sub cmdRide_Click()
If Val(txtHeight)>54 Then
MsgBox “Allowed to Ride”, vbOKOnly
Else
MsgBox “Sorry! Not Allowed to Ride”, vbOKOnly
EndIf
End Sub

Private Sub cmdClear_Click()
txtHeight= “”
txtHeight.SetFocus
End Sub

Private Sub cmdExit_Click()
End
End Sub
```


Q4. Write a VB Project to design a form which allows user to enter the Name & Basic Pay and calculate HRA as 30% of Basic Pay whenever Basic Pay is less than Rs.10000/- otherwise 40% of Basic Pay. Display Name, HRA and Net Pay which is Basic Pay+HRA.

HRA		
Name		
Basic Pay		
HRA		
Net Pay		
<u>C</u> alculate	<u>C</u> lear	<u>E</u> xit

Controls & their Properties

Object	Property	Value
Form	Name Caption	frmHRA HRA
Label	Name Caption	lblName Name
Label	Name Caption	lblBasicPay BasicPay
Label	Name Caption	lblHRA HRA
Label	Name Caption	lblNetPay NetPay
Text Box	Name Text	Name ""
Text Box	Name Text	txtBasicPay
Text Box	Name Text	txtHRA
Text Box	Name Text	txtNetPay
Command Button	Name Caption	cmdCalculate &Calculate
Command Button	Name Caption	cmdClear &Clear
Command Button	Name Caption	cmdExit &Exit

Code

```
Private Sub cmdCalculate_Click()  
If Val(txtBasicPay)<10000 Then  
txtHRA=val(txtBasicPay)*0.3  
Else  
txtHRA=val(txtBasicPay)*0.4  
End If  
txtNetPay=val(txtBasicPay)+val(HRA)  
End Sub  
  
Private Sub cmdClear_Click()  
txtname=""  
txtBasicPay=""  
txtHRA=""  
txtNetPay=""  
txtBasicPay.SetFocus  
End Sub  
  
Private Sub cmdExit_Click()  
End  
End Sub
```

Q5. Write a VB Project to design a form which allows user to enter the Income of employee and calculate tax as per the following schedule:

Income	Tax
Less than 100000	nil
100000 – 199999	10% of Income
200000 or more	20% of Income

Display Tax to be paid by the employee.

Tax		
Income		
Tax		
Calculate	Clear	Exit

Controls & their Properties

Object	Property	Value
Form	Name Caption	frmTax Tax
Label	Name Caption	lblIncome Income
Label	Name Caption	lblTax Tax
Text Box	Name Text	txtIncome
Text Box	Name Text	txtTax
Command Button	Name Caption	cmdCalculate &Calculate
Command Button	Name Caption	cmdClear &Clear
Command Button	Name Caption	cmdExit &Exit

Code

```
Private Sub cmdCalculate_Click()  
If Val(txtIncome)<100000 Then  
txtTax= ""  
Else  
If Val(txtIncome)<200000 Then  
txtTax=Val(txtIncome)*0.1  
Else  
txtTax=Val(txtIncome)*0.2  
End If  
End Sub  
End If  
Private Sub cmdClear_Click()  
txtIncome= ""  
txtTax= ""  
txtIncome.SetFocus  
End Sub  
Private Sub cmdExit_Click()  
End  
End Sub
```

VB PRACTICAL 4

Q1. Write a VB Project to design a suitable form to find & display the sum of first 10 odd numbers.

Form

Sumof Odd

Sum

_Calculate

_Clear

_Exit

Controls & their Properties

Object	Property	Value
Form	Name Caption	frmSumofOdd SumofOdd
Label	Name Caption	lblSum Sum
Text Box	Name Text	txtSum
Command Button	Name Caption	cmdCalculate &Calculate
Command Button	Name Caption	cmdClear &Clear
Command Button	Name Caption	cmdExit &Exit

Code

```
Private Sub cmdCalculate_Click()
```

```
Dim I As Integer
```

```
For I = 1 To 20 Step 2
```

```
txtSum = Val(txtSum) + I
```

```
Next I
```

```
End Sub
```

```
Private Sub cmdClear_Click()
```

```
txtSum = ""
```

```
End Sub
```

```
Private Sub cmdExit_Click()
```

```
End
```

```
End Sub
```

Q2. Write a VB Project to design a suitable form to find & display the sum of first 10 even numbers.

Form

The image shows a Visual Basic form titled "Sumof Even". Inside the form, there is a label with the text "Sum" on the left side. To its right is an empty rectangular text box. Below these two elements, there are three buttons arranged horizontally. The first button is labeled "Calculate", the second is labeled "Clear", and the third is labeled "Exit".

Controls & their Properties

Object	Property	Value
Form	Name Caption	frmSumofEven SumofEven
Label	Name Caption	lblSum Sum
Text Box	Name Text	txtSum
Command Button	Name Caption	cmdCalculate &Calculate
Command Button	Name Caption	cmdClear &Clear
Command Button	Name Caption	cmdExit &Exit

Code

```
Private Sub cmdCalculate_Click()
```

```
Dim I As Integer
```

```
For I = 2 To 20 Step 2
```

```
txtSum = Val(txtSum) + I
```

```
Next I
```

```
End Sub
```

```
Private Sub cmdClear_Click()
```

```
txtSum = ""
```

```
End Sub
```

```
Private Sub cmdExit_Click()
```

```
End
```

```
End Sub
```


Q3. Write a VB Project to design a suitable form to find & display the sum of numbers divisible by 7 up to 30.

Form

The image shows a Visual Basic form with the following layout:

- Title Bar:** Sum
- Label:** Sum (positioned on the left side)
- Text Box:** An empty rectangular box (positioned on the right side)
- Buttons:** Three buttons are arranged horizontally at the bottom:
 - Calculate (with an underline under 'C')
 - Clear (with an underline under 'C')
 - Exit (with an underline under 'E')

Controls & their Properties

Object	Property	Value
Form	Name Caption	frmSum Sum
Label	Name Caption	lblSum Sum
Text Box	Name Text	txtSum
Command Button	Name Caption	cmdCalculate &Calculate
Command Button	Name Caption	cmdClear &Clear
Command Button	Name Caption	cmdExit &Exit

Code

```
Private Sub cmdCalculate_Click()
```

```
Dim I As Integer
```

```
For I = 1 To 30
```

```
If I Mod 7 = 0 Then
```

```
txtSum = Val(txtSum) + I
```

```
End If
```

```
Next I
```

```
End Sub
```

```
Private Sub cmdClear_Click()
```

```
txtSum = ""
```

```
End Sub
```

```
Private Sub cmdExit_Click()
```

```
End
```

```
End Sub
```
