	Visual-Basic Programs	
16	Find the area & circumference of circle & rectangle.	
17	Using drag & drop change background colors	
18	Checking validity.	
19	Creation of a Scientific Calculator.	
	Sum of the first 100 numbers using Do loop!	
21	Use of Select-Case.	

WROSJEE	WADIA COLLEGE, PUNE
Experiment Incomplete For Diagram	Performed On 2/11/15.
Obs. Table	1932 Signature
Calculations	Submitted On 2/11/15 3.12.15
Graphs	Experiment Complete
Results	Total Visit Silver Heal silver
Unit	OR THE SPREAD OF LIGHT
Name Voushil Soni	as a survival
	12032 Batch Wednesday Pair No
Expt. No. 16 Title Area	of write & rectangle.
Aim. W. a.p. in VB the	at calculates osea of 2 shapes as
well as mein perin	neters.
, and a part of the part of th	
Object View:	locke for options (sectorale).
Area of	arcle A redolate is noting due shown?
	port of True then
o cinde.	o Kerstangle Holsty 19 xs
Radius [Length Dart = oldier sixet
	Breadin For T = Notion 8 100 T Labor
Area of	
o Grele	Restacion Trades
Annual annual contract of the second	Reutarighet mits of him about
Code for Area of in	
Private Sub Command!	
Dim & as Double	Ji Eng
& = text1. text	302 600
msgbox ("area is" & (22 * ~ * ~) / 7)
MS9 box ("circumference	le 15" & (2 x 22 xx)/7)
End sub.	2 (2 K 2 Z * Y) (4)
2.40 3.65	
lode for Area of	rectancle -
Private Sub Corman	
Dim Las integer, b	23 170 EgO).
L=Text 2. Text.	
b= fext3. text.	
msqbox ("area is" &	· ((*h))

End Sub. Code for Option (circle). Private sub Option-dick() If option! value: True then optionz. visible = True Texti vi sible = True. Text2. visible: false. text 3. VTsible= False Label 4. Uslbe: True. babel 5 visible = False - Label 6. visible = faise. Command! visible = True. Command 2. visible = False. in VIB that calculates coea End of rein porumeters. End Sub. Code for option 2 (rectangle). Private Sub Option 2 - click () If Optionz. value = True then Text1. visible = False. Text2. visible = True. Text 3. visible: True. Tabel 4. visible = False. Labels. visible = True. Label 6. visible true. Command 1. visible: False. Commandy visible = True. End if End Sub. Carra comment of the

Msgbox ("perimeter is" & (2 * L +2 * 6))

```
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Private Sub Command1_click()
Dim r As Double
r = Texti.Text
MsgBox ("area is " & (22 * r * r) / 7)
MsgBox ("circumference is " & (2 * 22 * r) / 7)
End Sub
Private Sub CommandZ_Click()
Dim l As Integer, b As Integer
] = Text2.Text
b = Text3.Text
MsgBox ("area is " & (1 + b))
MsgBox ("perimeter is " & (2 + 1 + 2 + b))
End Sub
Private Sub option1_click()
If Option1. Value = True Then
Option2. Visible = True
Text1. Visible = True
Text2. Visible = False
Text3. Visible = False
Label4. Visible = True
Labels. Visible = False
Label6. Visible = False
Command1. Visible = True
Command2. Visible = False
End If
End Sub
private sub option2_Click()
If option2. Value = True Then
Text1. Visible = False
Textz. Visible = True
Text3. Visible = True
Label4. Visible = False
Labels. Visible = True
Labelo, Visible = True
Command1. Visible = False
Command2. Visible = True
End If
End Sub
```

WROSJEE WADIA CO)LLEGE, PUNE
Experiment Incomplete For	Performed On 26/10/15.
DiagramObs. Table	Signature
Calculations	Submitted On 2 - 11 - 15
Graphs	Experiment Complete
Results	
Unit	Incharge
Name VRUSHIL SONI.	
Class Roll No. 12 032 Batch We	dresday Pair No.
Evet No. 11 - Change (18)	a draw draw:
Expt. No. 17 Title Change colour usir	
Aim. Write a program in VB that	will display a proture
with form-load with red colows.	when drag drop option
is selected, colour should be blue.	where drage over option
is selected, colour should be gree	0.
Company State	X.
Objectiven:	
	The state of the s
DRAG AND DROP	
Code for form_load().	
Private Sub Form_Load()	
Forml. Backcolows = vbRed.	
End sub.	
and the second s	
Code for Label 1_Dragover.	
Private sub label I - Drag Over (source Single, Y As single, State	e As Control X As
Form! Backcolows=vcGreen.	~~~~~~·
End Sub-	

Corde for Picture 1

Private Sub Picture 1 Drag Drop (Source As control, X As

In 19 1 Single, (9 As A Single).

Form 1. Black color = 1 bBlue.

End Sub.

In 1 bettindue

and bettindue

and bettindue

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Private Sub Form_Load()
Form1.BackColor = vbRed
End Sub
Private Sub Label1_DragOver(Source As Control, X As Single, Y As Single, State As Integer)
Form1.BackColor = vbGreen
End Sub
Private Sub Picture1_DragDrop(Source As Control, X As Single, Y As Single)
Form1.BackColor = vbBlue
End Sub

NOWROSJEE WADIA COLLEGE, PUNE Performed On 2/11/15 Experiment Incomplete For Signature Diagram_ Submitted On 2/11/15.3.12-15 Obs. Table . Calculations_ **Experiment Complete** Graphs _ Results _ Incharge / Unit Name Vorushil Roll No. 12032 Batch Weches day Xιι Expt. No. _ Title Validation mat checks the validation Aim: Wap in VB persons Id. Object viewi-Enser name Enter DOB Enter Phone no. ralidation lear Exit Cook how fait lode for validation: Private Bub Command3 Wick ((Sub Gammand1-click() Privare 1 3 a=0 · dul bus Dim I de l'integer. L= Len (text1. text) If L=0 then msqbox ("name cannot be blank") a=1 Else for i= 1 to L ucase (mid (text1-text, i, 1)) If not ((ch >= "A" And ch<= "2") or (ch = " ")) Then msqbox ("invalid name") text1. text = " " text 1. setfocus a=1 にこしゃユ

End if

Next i If Isdate (text2. text) < > Torce from Msgbox ("enter a valid dob") text 2. text= "" Performed (text 2. Setfocus a=1 If Is Numeric (text3.text) <> true to 11. End 11 For 1 11 msgbox ("Enter a valid phone no") text 3. text=" " text 3. Set focus a=1 Batch Medines day pains - 71 ban3 mighox ("all data fields are valid") If a=0 then msgbox ("thook you") it is bonds End if End Sub. Code for Clear: -Private Sub Command 2 - Click () text1.tcxt=" " text 2. text="" text 3. text= "" End Sub. Code for Exit: -Private Sub Command3-click() () dollar 19 End End Sub.

untitled

```
private Sub Command1_Click()
  a = 0
 Dim 1 As Integer
  7 = Len(Text1.Text)
 If 1 = 0 Then
 MsgBox ("name cannot be blank")
 a = 1
 Else
 For i = 1 To 1
 UCase (Mid(Text1.Text, i, 1))

If Not ((ch >= "A" And ch <= "Z") or (ch = "")) Then

MsgBox ("invalid name")
 Texti. Text = ""
 Text1. SetFocus
 a = 1
 i = 1 + 1
 End If
Next i
End If
If IsDate(Text2.Text) <> True Then
MsgBox ("enter a valid dob")
Textz.Text = ""
Text2.SetFocus
a = 1
End If
If IsNumeric(Text3.Text) <> True Then
MsgBox ("enter a valid phone no")
Text3.Text = "..."
Text3.SetFocus
a = 1
End If
If a = 0 Then.
MsgBox ("all data fields are valid")
MsgBox ("thank u")
End If
End Sub
private Sub Command2_Click()
Texti.Text =
Text2.Text = ""
Text3. Text =
End Sub
private Sub Command3_Click()
End
End Sub
```

NOWROSJEE WADIA COLLEGE, PUNE

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Experiment Incomplete For Diagram	Performed On 2/15/15
Diagram	Signature
Calculations	Submitted On 2/12 /17 2-12-15
Graphs	Experiment Complete
Results	33
Unit	Incharge
Name Voughil Soni.)
Class Roll No. 120 32 Batch	wednesday. Pair No
	•
Expt. No. 19 Title Scientific Cali	culator.
Aim:- write a program in VB	to design a colorlar
The supptific I would	in a continue and a c
(Josiaidis MRE SIX	1, 60s, tan, cot, sec, cosec
log.	
Object View:	
7.32 ° 1	
100 sec 28"	
Era Se (age	
18822. 182 1 2 3	
	+ +
Private Set Commelt3_CircuO	
0 = Test 1 Tays	
1 Et 200 4 5	
Crivate Sub Communi (31.kC)	
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Consider the second community of the second	Sin cos tan
0	Cot Coser
pelse a Mag	= 50
CLEAR	
CLENK	sec
	L L L L L L L L L L L L L L L L L L L
	The state of the s

scientific calculator

```
Dim a As String, b, c, r As Double
Private Sub Command1_Click()
Text1.Text = Text1.Text +
End Sub
Private Sub Command10_Click()
Text1.Text = Text1.Text + "0"
End Sub
Private Sub Command11_Click()
Text1.Text = Text1.Text + "
End Sub
Private Sub Command12_click()
c = Val(Text1.Text)
Select Case a Case "+"
r = b + c
Case "-"
r = b - c
Case "*"
r = b * c
Case "/"
r = b / c
Case ,"^"
r = b ^ c
 Case "%"
 r = b / 100
 End Select
 Text1.Text = r
 End Sub
 Private Sub Command13_Click()
 a = "+"
 b = Text1.Text
Text1.Text = " "
 End Sub
  Private Sub Command14_Click()
  a = "-"
  b = Text1.Text
Text1.Text = " "
  End Sub
  Private Sub Command15_Click()
a = "*"
  b = Text1.Text
  Text1.Text = " "
  End Sub
  Private Sub Command16_click()
a = "/"
b = Text1.Text
```

```
scientific calculator
Text1.Text = " "
End Sub
Private Sub Command17_Click()
a = "\Lambda"
b = Text1.Text
Text1.Text =
End Sub
Private Sub Command18_Click()
a = "%"
b = Val(Text1.Text)
Text1.Text = Text1.Text + "% "
End Sub
Private Sub Command19_Click()
Dim sine As Double
sine = Sin(Val(Text1.Text) * 3.14 / 180)
Text1.Text = sine
End Sub
Private Sub Command2_Click()
Text1.Text = Text1.Text +
End Sub
Private Sub Command20_Click()
Dim sine As Double
sine = Cos(Val(Text1.Text) * 3.14 / 180)
Text1.Text = sine
End Sub
Private Sub Command21_Click()
Dim sine As Double
if Val(Text1.Text) >= 180 Then
sine = Tan(180 - Val(Text1.Text)) * 3.14 / 180
Else
sine = Tan(Val(Text1.Text) * 3.14 / 180)
End If
If (Val(Text1.Text) = 90) Then
Text1.Text = "Infinity"
 Else
 Text1.Text = sine
 End If
 End Sub
 Private Sub Command22_Click()
 Dim sine As Double
 if val(Text1.Text) <> 0 And Val(Text1.Text) <> 180 Then
 sine = Tan(Val(Text1.Text) * 3.14 / 180)
 Text1.Text = 1 / sine
 End If
 if val(Text1.Text) = 0 or val(Text1.Text) = 180 Then
Text1.Text = "Infinity"
 End If
  End Sub
  Private Sub Command23_Click()
  Dim sine As Double
  If Val(Text1.Text) <> 0 And Val(Text1.Text) <> 180 Then
```

sine = Sin(Val(Text1.Text) * 3.14 / 180)

1

Page 2

scientific calculator

Text1.Text = 1 / sine
Else
Text1.Text = "Infinity"
End If
End Sub

Private Sub Command24_Click()
Dim sine As Double
If Val(Text1.Text) <> 90 Then
sine = Cos(Val(Text1.Text) * 3.14 / 180)
Text1.Text = 1 / sine
Else
Text1.Text = "infinity"
End If
End Sub

Private Sub Command25_Click()
b = Val(Text1.Text)
Text1.Text = Log(b) / Log(10)
End Sub

Private Sub Command26_Click()
Text1.Text = " "
End Sub

Private Sub Command27_Click()
End
End Sub

Private Sub Command3_Click()
Text1.Text = Text1.Text + "3"
End Sub

Private Sub Command4_Click()
Text1.Text = Text1.Text + "4"
End Sub

Private Sub Command5_Click()
Text1.Text = Text1.Text + "5"
End Sub

Private Sub Command6_Click()
Text1.Text = Text1.Text + "6"
End Sub

Private Sub Command7_Click()
Text1.Text = Text1.Text + "7"
End Sub

Private Sub Command8_Click()
Text1.Text = Text1.Text + "8"
End Sub

Private Sub Command9_Click()
Text1.Text = Text1.Text + "9"
End Sub

NOWROSJEE WADIA COLLEGE, PUNE Experiment Incomplete For Performed On 26/10 /15 Diagram_ Signature Obs. Table Calculations_ Submitted On_ **Experiment Complete** Graphs . Results _ Unit_ Incharge Name Yourshil Soni. Class XII Roll No. 12032 Batch Wednesday Pair No. Title Addition 1st 100 nos: Expt. No. __20 Aim: write a program in VB that calculates the 1st 100 nos. Object view; of first 100 no. is Exit. Code for Sum of first 100 no is Private Sub Command 1 - dick () Dim a As Integer. Dim b As Integer. a=0 b= 1 Do while (b<= 100). a= a+b 6-6+1 1000 Msg Box ("sumis") & a End Sub.

Gode for Exit.

Private Sub Command2-click()

End Sub is Command2-click()

Untitled

```
Private Sub Command1_Click()

Dim a As Integer

Dim b As Integer

a = 0

b = 1

Do While (b <= 100)

a = a + b

b = b + 1

Loop

MsgBox ("sum is ") & a

End Sub
```

Private Sub Command2_Click()
End
End Sub

NOWROSJEE WADIA COLLEGE, PUNE Experiment Incomplete For OPXP2 Performed On 2/11/15. Diagram. ('huoh'') × o Signature Obs. Table Submitted On 2/11/15 3 12-15 Calculations Graphs _ Experiment Complete Results _ Unit_ Incharge Name Voushil Soni. Roll No. 12032 Batch Wednesday, Pair No. Expt. No. . Select lase Aim: write a program in VB using case condition that accepts marks out of hundred of 6 subjects during execution. The program should display class based on marks. Object view. SUM OF MARKS OF 6 SUBJECTS. SUB 1 SUB2 alculate suc 5 SUB6 1 code for Calculate: -Private Sub Command1- (lick() Dim test As Boolean. test= True. SI = val (Text1.text). SZ=val (textz-text). s3= val (text3. text). su= val (text 4. text).

Ss= val (text s. text) S6=val (text 6. text). agg= (s1+ s2+ s3+ s4+ s5+ s6) 16. NOW ROSJEE WAD IA COLLETSE, see trase Case SI < 40 or S2240 or S3 < 40 or 54 < 40 or 55 < 40 nsgbox ("fail") garse agg < 60 no ballindus msgbox ("second class") Case Else Msgbox ("first class") End select Batch Lite charzolag. Partio dus bas Code for Exit. 21 Title Use of Select 10, 15 Private Sub Command2 - Clicky End Endisable studies of burdred of 6 subjects dusting

```
untitled
 Private Sub Command1_Click()
 Dim test As Boolean
 test = True
s1 = Val(Text1.Text)

s2 = Val(Text2.Text)

s3 = Val(Text3.Text)

s4 = Val(Text4.Text)
ss = Val(Texts.Text)
ss = Val(Texts.Text)
agg = (s1 + s2 + s3 + s4 + s5 + s6) / 6
Select Case test
Case s1 < 40 or s2 < 40 or s3 < 40 or s4 < 40 or s5 < 40 or s6 < 40 MsgBox ("fail")
Case agg < 60
MsgBox ("second class")
Case Else
MsgBox ("first class")
End Select
End Sub
private Sub Command2_Click()
End
end sub
```