

VISUAL – BASIC PROGRAMS

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Experiment Incomplete For
Diagram _____
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Submitted On 21/02/15

Experiment Complete

C

Incharge

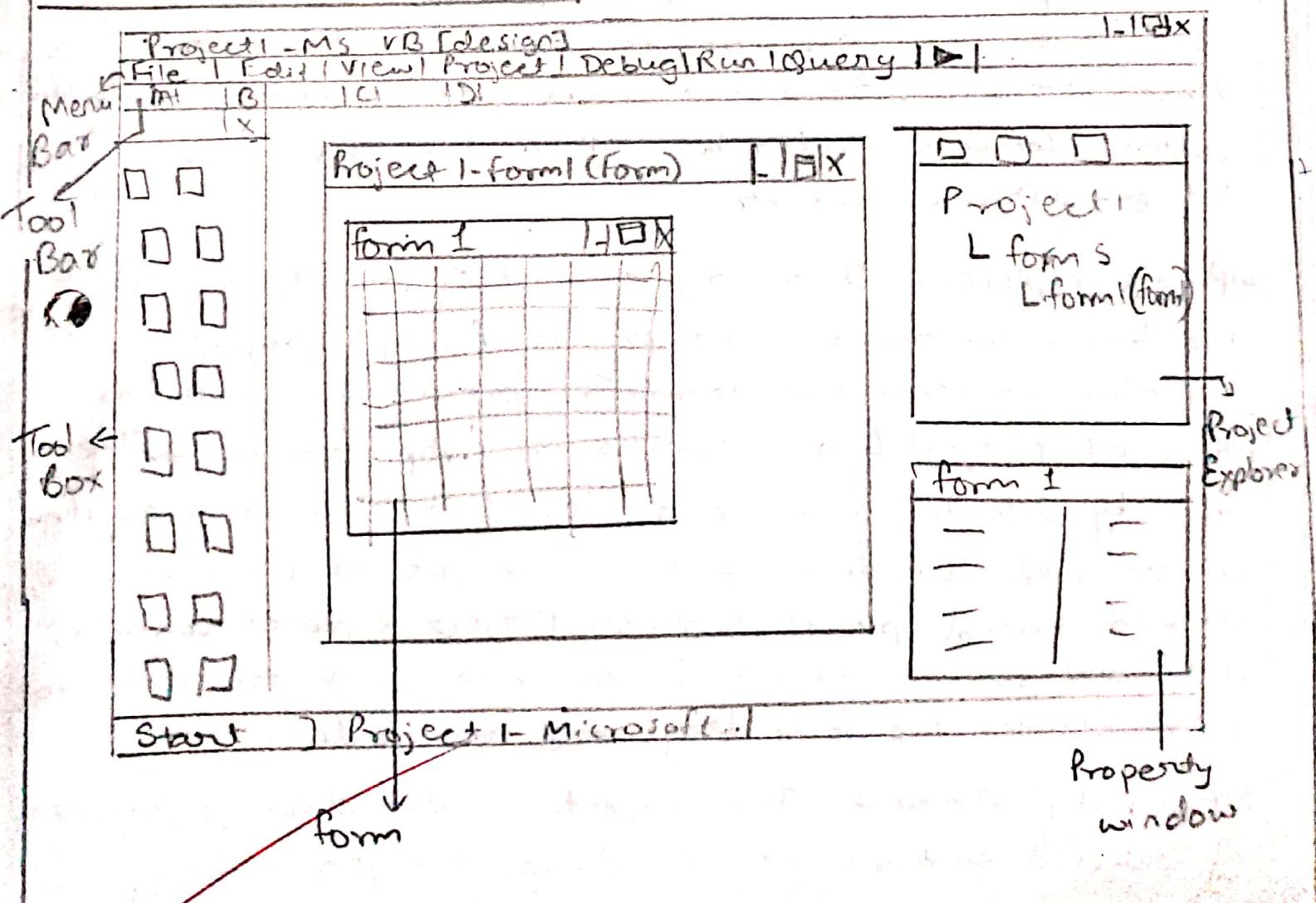
~~MR. DABH~~

Name VRUSHIL SONT

Class XI Roll No. 7016 Batch Saturday Pair No. ✓

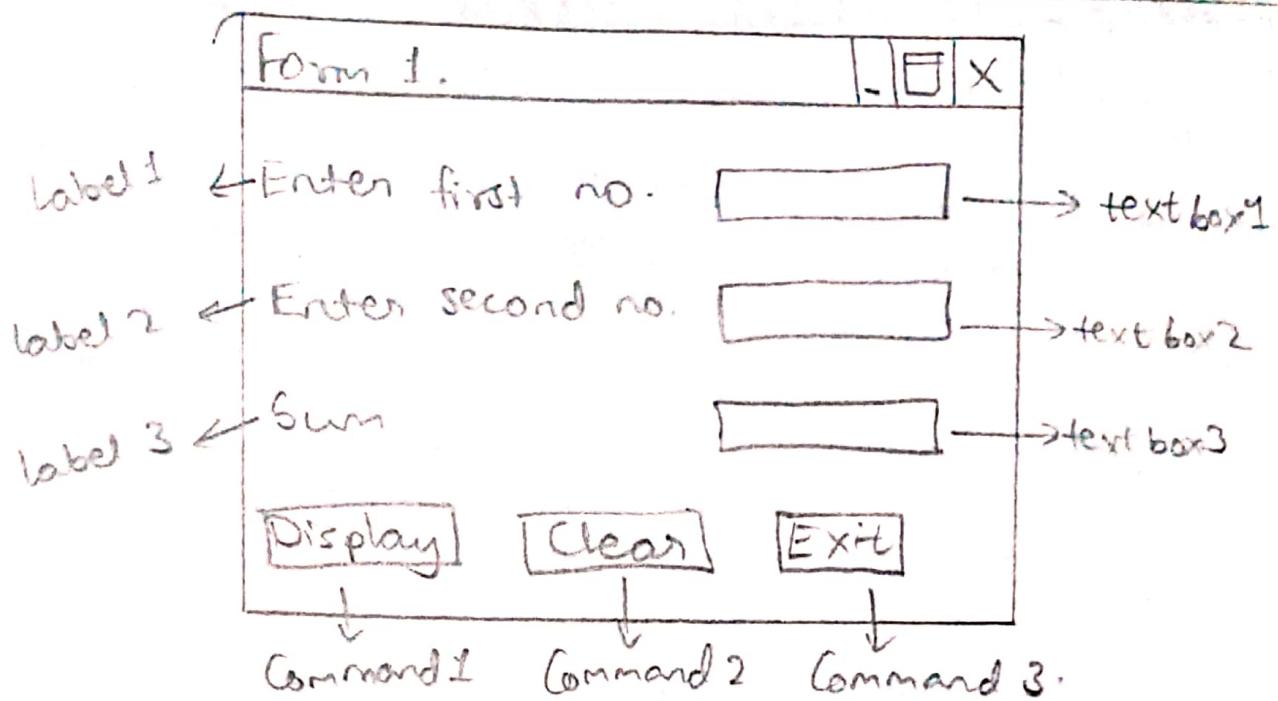
Expt. No. _____ Title Introduction to VB

Visual Basic is the most popular & ideal programming language for developing sophisticated professional application for microsoft windows operating system. The layout of microsoft visual studio 6.0 is shown in the following diagram.



VB is referred to as integrated development environment (IDE) as it integrates many facilities such as designing the form, editing the code, compiling and debugging within a common environment. The main components of VB IDE are as follows -

- 1) Menu Bar - It displays various options that are required to build an application. Each menu item has sub options that are used whenever required. The menu bar displays following menu items - 1) File, 2) Edit, 3) View, 4) Project, 5) Format, 6) Debug, 7) Run, 8) Query, 9) Diagram, 10) Tools, 11) Add-ins, 12) Window, 13) Help.
- 2) Tool Bar: Tool Bar gives quick access to the commonly used and frequently required menu options. The tool bar displays following menu options as buttons → 1) pointer, start debugging
2) tool box, etc.
- 3) Tool box:- It contains a set of controls or objects that are used to place on a form at design time. The commonly used controls in the tool box are - 1) pointer, 2) picture box, 3) label, 4) textbox, 5) frame, 6) command button, 7) check box, 8) option button, 9) combo box, 10) list box, 11) hscroll bar, 12) vscroll bar, 13) timer, 14) drive list box, etc.
- 4) Project explorer:- It displays the list of projects and all the forms contained in the project. A simple project typically contains one form. The project by default has name as project1 and extension as '.vbp'. stands for The form by default has name as form1 and extension as '.frm'. we can add more forms to the same project whenever required through project explorer. Project explorer contains 2 buttons i-e. view object & view code which are used to switch between the form design and the code.
- 5) Property Window - The property window displays properties of selected controls. We can change the properties of desired control through this window. For eg - VB program to accept 2 numbers in a text box control and display their sum on click event of a command button.



* Code for display button:-

```
Private sub Command1-click()
```

Dim a,b,sum as integer

```
a= Val (Text 1. Text)
```

```
b= Val (Text 2. Text)
```

```
Sum = a + b
```

```
Text 3. Text = sum
```

```
End Sub.
```

* Code for clear button:-

```
Private Sub Command2-click()
```

```
Text 1. Text = ""
```

Text 2. Text = ""

```
Text 3. Text = ""
```

```
End Sub.
```

* Code for Exit button:-

~~Private sub Command3-click()~~

```
End
```

```
End Sub
```

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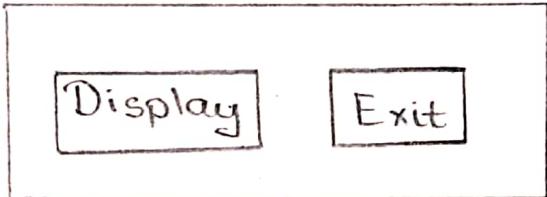
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H
R*

Name VRUSHIL SONI
 Class XI Roll No. 4016 Batch Saturday Pair No. _____

Expt. No. _____ Title Program to display first 10 natural no.s in VB

Aim: Write a program in V.B. to display 1st 10 natural number.

View Object-



Code for display-

```
Private Sub Command1_Click()
dim num as integer
for num = 1 to 10.
form5.print (num)
```

Next

End Sub.

For Exit-

```
Private Sub Command2_Click()
End
End Sub.
```

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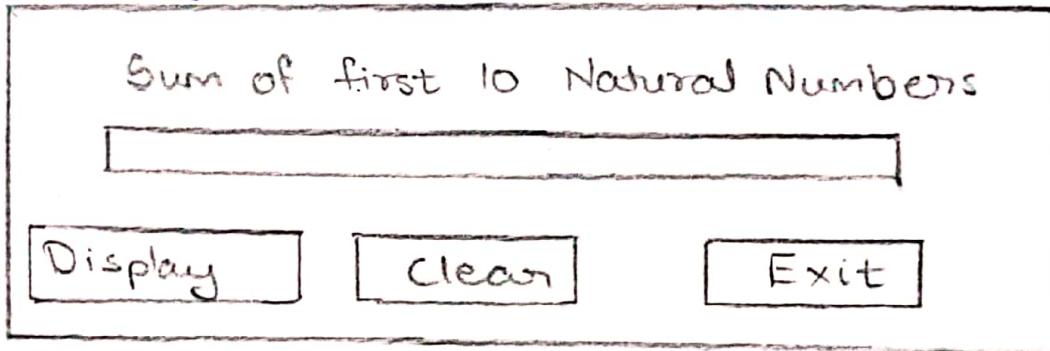
Name VRUSHNIL SONI

Class XI Roll No. 4016 Batch Saturday Pair No. _____

Expt. No. _____ Title Program to display sum of 1st 10 natural no's [Pg]

Aim: Write a program in VB to display sum of first 10 natural numbers.

View Object:-



Code for display button -

```
Private Sub Command1_Click()
    Dim sum, i As Integer
    Sum = 0
    For i = 1 To 10
        Sum = Sum + i
    Next
    Text1.Text = Sum
End Sub.
```

Code for clear.

```
Private Sub Command2_Click()
    Text1.Text = ""
End Sub.
```

Code for Exit -

```
Private Sub Command3_Click()
End Sub
```

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Class XI Roll No. 7016

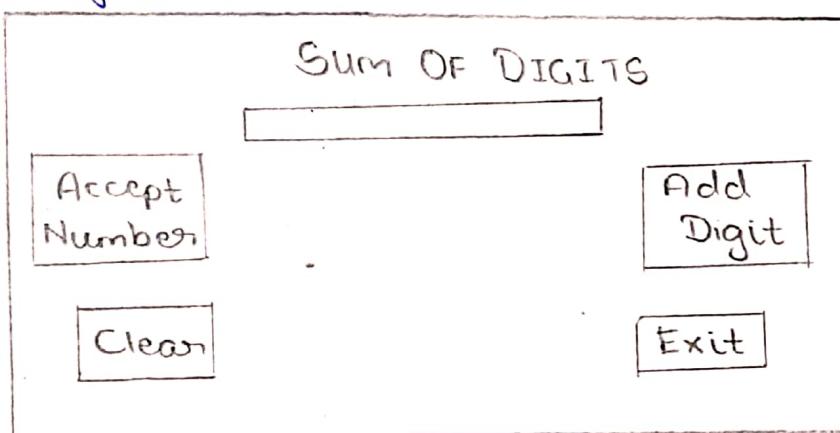
Batch Saturday Pair No. _____

Expt. No. _____

Title Program to display sum of digits [VB].

Aim: Write a program in VB to accept a no. from user & display sum of digits of that no.

View Object:-



Code for Accept No.

Dim num, n, sum as integer.

Private Sub Command1_Click()

num = InputBox("Enter a number")

End Sub.

Code for Add digits-

Private Sub Command2_Click()

sum = 0

while (num > 0)

n = num mod 10

sum = sum + n

num = num / 10

wend

text1.text = sum

End Sub.

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Submitted On 26/02/15

Experiment Complete

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Code for clear -

```
Private Sub Command3_Click()
text1.Text = ""
End Sub.
```

Code for Exit -

```
Private Sub Command4_Click()
End
End Sub.
```

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Diagram _____

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Obs. Table _____

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Calculations _____

Experiment Complete

Graphs _____



Results _____

Unit _____

Incharge

Name Vrushnil Soni.

Class XI

Roll No. 7016

Batch Saturday.

Pair No. _____

Expt. No. _____ Title Program to find day of the date [VB]

Aim: Write a program in VB to find day of the date entered by user.

View Object:-

Day of Date		
Enter Day (MM-DD-YYYY)		<input type="text"/>
Day	<input type="text"/>	
<input type="button" value="Display"/>	<input type="button" value="Clear"/>	<input type="button" value="Exit"/>

Code for display -

```
Private Sub Command1_Click()
    Dim tday As String, tdate As Date, tval.
    tdate = CDate(Text1.Text)
    tval = Weekday(tdate, vbSunday)
    tday = WeekdayName(tval)
    Text2.Text = tday.
End Sub.
```

For Clear -

```
Private Sub Command1_Click()
    Text1.Text = " "
    Text2.Text = " "
End Sub.
```

Code for Exit.

```
Private Sub Command3_Click()
End
End Sub.
```

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 Experiment Complete

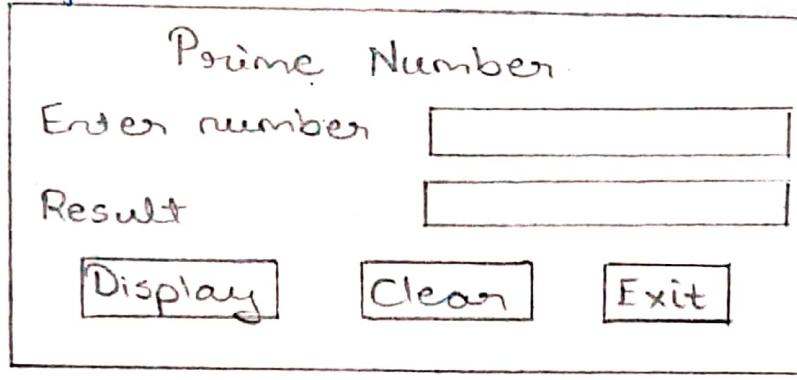
C
 Incharge Brijesh

Name VRUSHIL SONI.
 Class XI Roll No. 7016 Batch Saturday Pair No. 1

Expt. No. _____ Title Program to check prime number. [VB].

Aim: Write a program in VB to check whether entered no is prime or not.

View Object:-



Code for display:-

```

Private Sub Command1_Click()
dim num, counter, res, flag as integer.
num= val (text1.text)
if (num=1) then
text2.text = "neither prime nor composite"
Exit Sub.
End if .
for counter= 2 to num-1
res= num mod counter
if(res= 0) then
flag= 1
text2.text = "Composite Number"
Exit Sub
Else

```

```
flag = 0
End if
Next
if ((flag=0) or (num=2)) then
text2.text = "Prime Number"
End if
End sub.
```

For clear -

```
Private Sub Command 2 - click()
text1.text = ""
text2.text = ""
End Sub.
```

For exit -

```
Private Sub Command 3 - click()
End
End sub.
```

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Experiment Incomplete For

Diagram _____

Obs. Table _____

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Unit _____

Name VRUSHIL SONT.

Class XI Roll No. 7016 Batch Saturday Pair No. _____



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Signature

Submitted On 26/2 /15

Experiment Complete

Incharge

Expt. No. _____ Title Program to display even or odd [VB].

Aim: Write a program in VB to check whether entered number is even or odd.

Object View:-

Even or odd.		
Enter a number.		<input type="text"/>
Result		<input type="text"/>
<input type="button" value="Display"/>	<input type="button" value="Clear"/>	<input type="button" value="Exit"/>

Code for display:-

```
Private Sub Command1_Click()
Dim num, remd as integer.
num = Val(Text1.Text)
remd = num Mod 2.
If (remd = 0) then
    Text2.Text = "even number"
else
    Text2.Text = "odd number"
end if.
End Sub
```

Code for clear-

```
Private Sub Command2_Click()
Text1.Text = ""
Text2.Text = ""
End Sub
```

Code for exit -

```
Private Sub Command3_Click()
End
End Sub.
```

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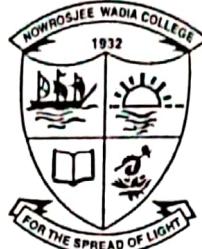
Results _____

Unit _____

Name VRUSHIL SONI.

Class XI Roll No. 7016 Batch Saturday Pair No. _____

Expt. No. _____ Title Time Management [VB]



Performed On 28/02/15

Signature

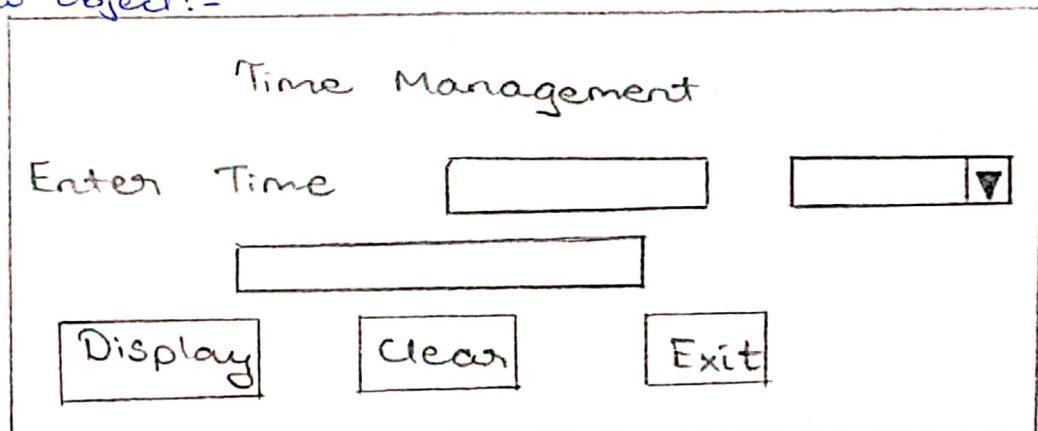
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Experiment Complete

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Aim: Write a program in VB to display message according to the time entered by user.

View Object:-



Code for Display-

```

Private Sub Command1_Click()
    Dim t As Integer
    t = Val(Text1.Text)
    If ((t < 12) And (Combo1.Text = "am")) Then
        Text2.Text = "Good Morning"
    Else If ((t = 12) Or (t < 5) And (Combo1.Text = "pm")) Then
        Text2.Text = "Good Afternoon"
    Else If ((t >= 5) And (t < 9) And (Combo1.Text = "pm")) Then
        Text2.Text = "Good Evening"
    Else If ((t >= 9) And (t < 12) And (Combo1.Text = "pm")) Then
        Text2.Text = "Good Night"
    Else If ((t >= 1) And (t < 5) And (Combo1.Text = "am")) Then
        Text2.Text = "Good Night"
    End If
End Sub

```

text2.text = "Midnight".

End if.

EndSub.

Code For Clear -

Private

Sub Command2_Click()

text1.text = ""

text2.text = "

End Sub.

For Exit

Private Sub Command3_Click()

End

End Sub.

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Experiment Incomplete For

Diagram _____

Obs. Table _____

Calculations _____

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Unit _____

Name VRILISHIL SONI

Class XI

Roll No. 7016

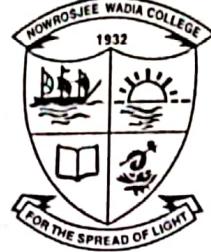
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Submitted On 5/03/15

Experiment Complete

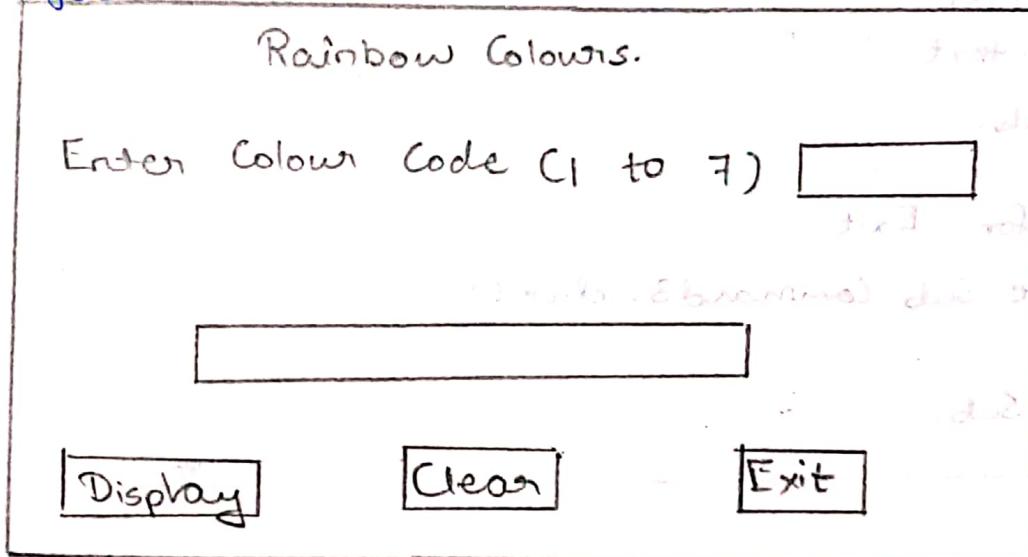
Incharge



Expt. No. _____ Title Program to display rainbow colours. [VB]

Aim:- Write a program in V.B. using select case to print rainbow colours.

View Object:-



Code for display-

Private Sub Command1_Click()
Dim colour as integer
colour = Val(Text1.Text)

Select Case

Case 1

Text2.Text = "first colour is violet"

Case 2

Text2.Text = "second colour is indigo".

Case 3

Text3.Text = "third colour is blue".

Case 4

text2.text = "fourth colour is green".

Case 5

text2.text = "fifth colour is yellow".

Case 6

text2.text = "sixth colour is orange".

Case 7

text2.text = "seventh colour is red".

Case else

text2.text = "Wrong choice".

End Select.

End Sub.

using of 920 basic program in VB

Code for Clear:-

Private Sub Command2_Click()

text1.text = ""

text2.text = ""

End Sub.

Code for Exit :-

Private Sub Command3_Click()

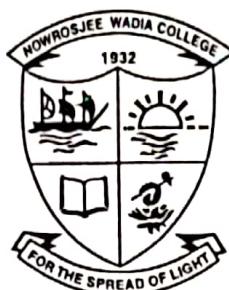
End

End Sub.

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 Diagram _____
 Obs. Table _____
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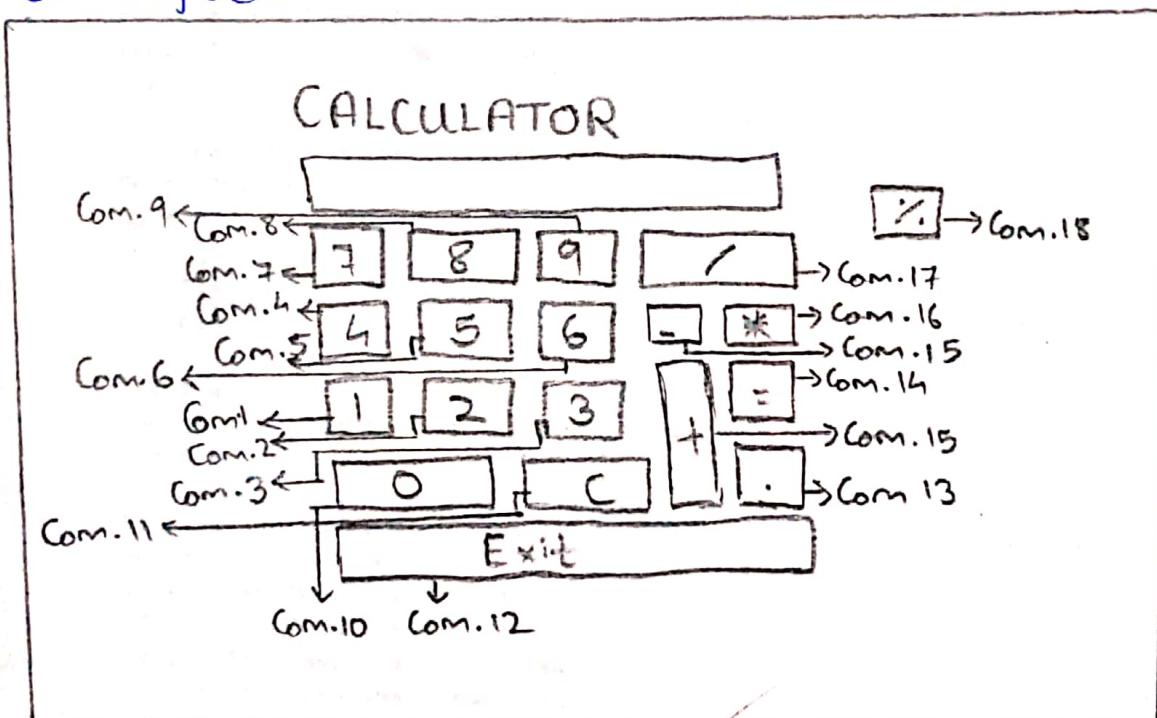
Experiment Complete

Incharge

Name VRUSHIL SONIClass XI Roll No. 7016 Batch Saturday Pair No. _____Expt. No. _____ Title Calculator - [VB]

Aim :- Write a program in VB to make use of calculator

View Object:-



```
Form1$ = 1

Dim op, ans, op2, s
Private Sub Command1_Click()
Text1.Text = Text1.Text + "1"
End Sub

Private Sub Command10_Click()
Text1.Text = Text1.Text + "0"
End Sub

Private Sub Command11_Click()
Text1.Text = " "
op = 0
op2 = 0
s = " "
End Sub

Private Sub Command12_Click()
Text1.Text = Text1.Text + ","
End Sub

Private Sub Command13_Click()
op2 = Val(Text1.Text)
If s = "+" Then ans = op + op2
If s = "-" Then ans = op - op2
If s = "/" Then ans = op / op2
If s = "*" Then ans = op * op2
If s = "%" Then ans = op Mod op2
Text1.Text = ans
End Sub

Private Sub Command14_Click()
op = Val(Text1.Text)
s = "+"
Text1.Text = " "
End Sub

Private Sub Command15_Click()
op = Val(Text1.Text)
s = "--"
Text1.Text = " "
End Sub

Private Sub Command16_Click()
op = Val(Text1.Text)
s = "*"
Text1.Text = " "
End Sub
```

```
Private Sub Command17_Click()
op = Val(Text1.Text)
s = "/"
Text1.Text = " "
End Sub
```

```
Private Sub Command18_Click()
End
End Sub
```

```
Form15 = 2
```

```
Private Sub Command19_Click()
op = Val(Text1.Text)
s = "%"
Text1.Text = " "
End Sub
```

```
Private Sub Command2_Click()
Text1.Text = Text1.Text + "2"
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
```

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Experiment Incomplete For

Diagram _____

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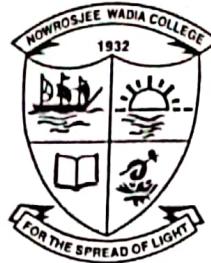
Graphs _____

Results _____

Unit _____

Name VRUSHIL SONI.

Class XI Roll No. 9016 Batch Saturday Pair No. _____



Performed On 28/02/15

Signature

Submitted On 28/02/15

Experiment Complete

Incharge

C
Rushil

Expt. No. Title Program to find area of shapes [VB]

Aim: Write a program in VB to display area of triangle and circle.

View Object:-

Area of Shapes	
Triangle	Circle
Enter Base	Enter radius
Enter Height	Area
Area	
<input type="button" value="Display"/>	<input type="button" value="Clear"/>
<input type="button" value="Exit"/>	

Code for display-

Private Sub Command1_Click()

dim b, h, pi, area c, areat as double.

b= val (text1.text)

h= val (text2.text)

pi= val (text4.text)

areac= 3.14 * pi * pi

areat= 0.5 * b * h

text3.text= areat

text5.text= areac

End Sub.

For Clear-

```
Private Sub Command2_Click()
    text1.Text = ""
    text2.Text = ""
    text3.Text = ""
    text4.Text = ""
    text5.Text = ""
End Sub
```

For Exit

```
Private Sub Command3_Click()
End
End Sub.
```

Title: Program to find area of shapes using function concept.

Aim: Write a program in VB to display area of triangle, circle and rectangle using function concept.

View Object:-

Area of Shapes

Triangle	Circle	Rectangle
Enter base <input type="text"/>	Enter radius <input type="text"/>	Enter length <input type="text"/>
Enter height <input type="text"/>		Enter breadth <input type="text"/>
<input type="button" value="Triangle"/>	<input type="button" value="Circle"/>	<input type="button" value="Rectangle"/>

Code for triangle-

```
Private Sub Command1_Click()
    Dim b, h As Integer
    b = Val(text1.Text)
    h = Val(text2.Text)
    Call areat(b, h)
End Sub
```

```
function areat (b, h as integer)
dim area1 as double.
area1 = 0.5 * b * h
msgbox("area of triangle = " & area1)
End function.
```

For Circle -

```
Private Sub Command2_Click()
dim r as integer.
r = val (text3.text)
Call areac (r)
End Sub.
function areac (r as integer)
dim area2 as double
area2 = 3.14 * r * r.
msgbox = ("area of circle = " & area2)
End function.
```

For Rectangle -

```
Private Sub Command3_Click()
dim l, b as integer.
b = val (text5.text)
l = val (text4.text)
Call arear (b, l)
End Sub
function arear (l, b as integer)
dim area3 as double
area3 = l * b
msgbox = ("area of rectangle = " & area3)
End function.
```

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Experiment Incomplete For

Diagram _____

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Unit _____

Name VRUSHI SONI.

Class XI

Roll No. 7016

Batch Saturday Pair No. _____



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Submitted On 5/3/15

Experiment Complete

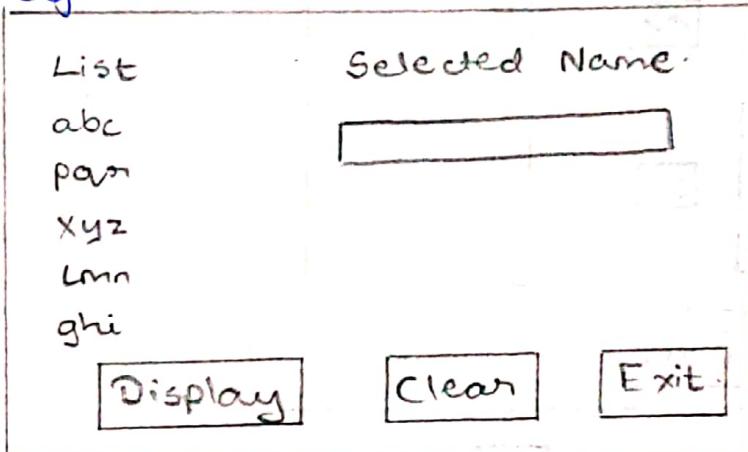
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Expt. No. _____

Title Program using list box. [VB]

Aim: Write a program in V.B. to select a name from list box and display it in a text box.

View Object:-



Code For Display:-

Private Sub Command1_Click()

Dim name as string

name = list1.Text

text1.Text = name

End Sub

Code For Clear:-

Private Sub Command2_Click()

text1.Text = "

End Sub

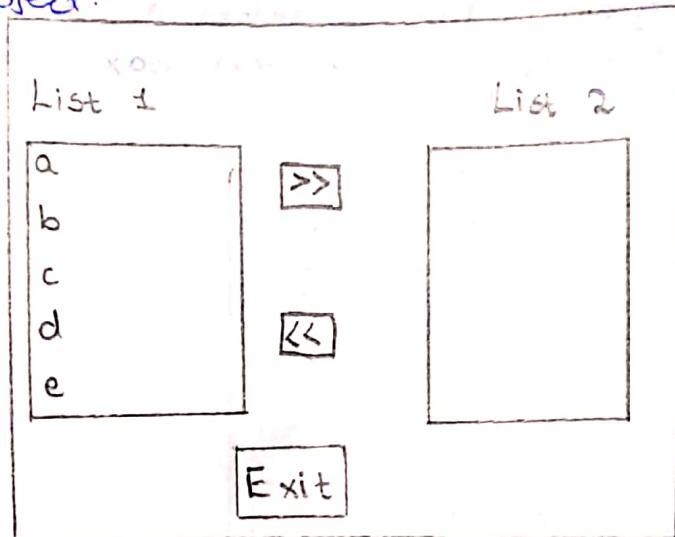
Code for Exit:-

```
Private Sub Command3_Click()
End
End Sub.
```

Title: Program using list box-

Aim: Write a program in VB to transfer list items from 1 list to other.

View Object:-



Code for Command 1 → => -

```
Private Sub Command1_Click()
dim name as string.
name = list1.text
list2.AddItem (name)
list1.RemoveItem (list1.ListIndex)
End Sub.
```

Code for Command 2 → <=

```
Private Sub Command2_Click()
dim name as string.
name = list2.text
list1.AddItem (name)
```

```
list2.removeitem (list2.list index)  
End Sub.
```

Code for Exit:-

```
Private Sub Command3 - click ()  
End  
End Sub.
```

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Name VRUSHIL SONI

Class XI Roll No. Y016 Batch Saturday Pair No. _____

Expt. No. _____ Title Program to display factorial [VB]

Aim: Write a program to display factorial of a number entered by user.

View Object:-

Factorial

Enter a Number

Factorial

Code for display button -

Private Sub Command1_Click()

Dim num, fact, I as integer

fact = 1

num = Val(Text1.Text)

for I = 1 to num

fact = fact * I

Next

Text2.Text = fact.

End Sub.

Code for clear -

```
Private Sub Command2_Click()
text1.Text = ""
text2.Text = ""
End Sub.
```

Code for exit -

```
Private Sub Command3_Click()
End
End Sub.
```

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Experiment Incomplete For

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Name VRUSHIL SONI.

Class XI

Roll No. 4016

Batch Saturday

Pair No. _____

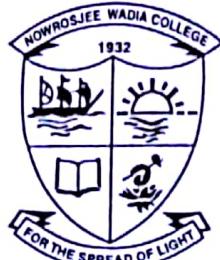
Performed On 5/3/15

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Experiment Complete

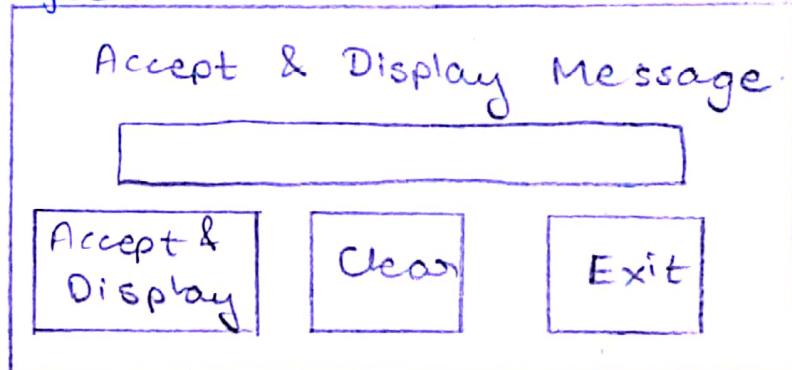
Incharge



Expt. No. _____ Title Program to Accept & Display Message [VB]

Aim:- Write a program in VB to accept a message from user & display it.

View Object:-



Code for Accept & Display -

```
Private Sub Command1_Click()
    Dim msg As String
    msg = InputBox("Enter your message")
    Text1.Text = msg
End Sub
```

Code for clear:-

```
Private Sub Command2_Click()
    Text1.Text = ""
End Sub
```

Code for Exit:-

```
Private Sub Command3_Click()
End Sub
```

