

Certificate

Name: HARSH KUMAR

Class: DIPLOMA (CSE)

Roll No: 611771816012

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Institution Patna Sahib Technical Campus, Bhagwanpur,
Vaishali.

This is certified to be the bonafide work of the student in the
Visual Basic (Lab) Laboratory during the academic
year 2016/2019.

No. of practicals certified _____ out of _____ in the
subject of Visual Basic (Lab)

.....
Teacher In-charge

.....
Examiner's Signature

.....
Principal

Date:

Institution Rubber Stamp

(N.B: The candidate is expected to retain his/her journal till he/she passes in the subject.)

Index

S. No.	Name of the Experiment	Page No.	Date of Experiment	Date of Submission	Remarks
1.	Create a form with one textbox and two Command buttons having caption Font and Exit. The user types text in the textbox and clicks on Font. The current Form gets enlarged.	01 14			
2.	Develop a program that will cut, Copy and paste text of textbox.	15 — 19			
3.	Develop an application, which will contain numbers of images, using control array. scrollbar increases or decreases number of images.	20 — 23			
4.	Create a form with two Command button having caption "Display Window Directory" and "Exit"	24 — 28			

I n d e x

S. No.	Name of the Experiment	Page No.	Date of Experiment	Date of Submission	Remarks
5.	Develop an application that will take the name of sound file as an argument and will play the file. Use API function for Playing the file.	29 - 33			
6.	Write a simple application using timer control. Your project should contain an image, which moves around the form, and changes its direction when it hits the sides of the form.	34 - 37			

AIM :- Create a form with one textbox and two command buttons having caption "Font" and "Exit". The user types text in the textbox and clicks on Font. The current Form gets enlarged and now in addition to above controls, the form contains frame on which following controls are placed.

- (a) Combo box, which will contain list of fonts.
- (b) Combo box, which will contain font style (bold, italic).
- (c) Combo box, which will contain font size.
- (d) Check box with caption "underline".
- (e) Check box with caption "Strikethrough".
- (f) Label with caption "sample" for showing preview.
- (g) Two Command buttons with caption "OK" and "Cancel" respectively.

The user should now be able to do the following :

- (i) choose an option from each combo box for Font, style & size.
- (ii) Select effect as underline or strikethrough.
- (iii) While performing (a)& b, the user should be able to see the preview as label.
- (iv) To complete the task, the user has to click on OK. The form should shrink back to its original size and display, and the text should be displayed according to the attribute set.
- (v) Exit is used to terminate the application.

Teacher's Signature : _____

Software Required :- Microsoft visual studio 6.0
Microsoft visual Basic 6.0,
Should be installed on the system.

PROCEDURE :-

- Step 1 :- Open Microsoft visual Basic 6.0
- Click Once on "START" on Taskbar.
 - Click Once on "All Apps"
 - Scroll down to go to "Microsoft visual studio".
 - Click on "Microsoft visual studio 6.0"
 - scroll down to go to "Microsoft visual Basic 6.0" and click on it.

Microsoft visual Basic will open on the screen with "New Project" window on the top of the screen.

Step 2 :- Create New Project.

- On the "New Project" window, Select "Standard EXE" under New Tab.
- Click on "Open" Button.

A New Project will be created, Opened on the Screen.

Step 3 :- Design the Form.

- Select a control and draw on the Form designer window using Mouse drag and drop.
- Repeat the preceding instruction, until and unless the all the components drawn on the form and Form looks like Fig. 1.0 .

Component

01 Label

01 TextBox

02 ControlButton

01 Frame

03 Label

03 ComboBox

02 ControlButton

02 CheckBox

01 Frame

01 Label

Location

At top-left of Form.

Below label.

Below the textBox.

Below the 2 ControlButton.

At left of Frame.

At centre of Frame.

At right of Frame.

At bottom-left of Frame.

Above the Frame.

At 2nd Frame.

Step 4 :- Change Properties of Component.

- Select the desired component and modify properties of the component from Properties window at the right of the window of visual Basic 6.0.
- Change the properties of components according to the following data :-

Teacher's Signature : _____

Component/PropertySetting

Form

Form1

Caption

"Text Formatter"

BorderStyle

3-Fixed Dialog

Height

6045

StartUpPosition

1-CenterOwner

Width

6450

Label

Label1

Caption

Enter Text:

Font

MS Sans Serif, Bold, 10

Height

255

Left

0

Top

0

Width

1575

TextBox

Text1

Height

495

Left

120

Text

Text1

Top

360

Width

6135

CommandButton

Command1

Caption

Font

Height

375

Left

120

Top

960

Width

3000

Component / Property

CommandButton

Caption

Height

Left

Top

Width

Setting

Command2

Exit

375

3240

960

3000

Frame

Caption

Height

Left

Top

Width

Form1

Font setting

4095

120

1440

6135

Label

Caption

Height

Left

Top

Width

Label2

Font :

255

240

480

1095

Label

Caption

Height

Left

Top

Width

Label3

Font style :

255

240

960

1335

Teacher's Signature : _____

Component/PropertySetting

Label

Label4

Caption

Font size:

Height

255

Left

240

Top

1440

Width

1095

ComboBox

Combo1

Height

315

Left

1680

List

Arial

Calibri

Cambria

Candara

Consolas

.....

Top

480

Width

2655

ComboBox

Combo2

Height

315

Left

1680

List

Regular, Bold,
Italic, Bold + Italic

Text

Regular

Top

960

Width

2655

Teacher's Signature :

Component/Property

ComboBox

Height

Left

List

Top

width

CheckBox

Caption

Height

Left

Top

width

CheckBox

Caption

Height

Left

Top

width

Frame

Caption

Height

Left

Top

width

Setting

Combo3

315

1680

8,10,12,14,16,18,20

1440

2655

Check1

underline

255

240

2040

1215

Check2

Strikethrough

195

240

2400

1335

Frame2

Preview

1095

1560

2880

3135

Teacher's Signature : _____

Component/PropertySetting

Label

Label6

Caption

sample

Height

735

Left

600

Top

240

Width

1935

CommandButton

Command3

Caption

OK

Default

True

Height

400

Left

4680

Top

480

Width

1095

CommandButton

Command4

Caption

Cancel

Cancel

True

Height

400

Left

4680

Top

960

Width

1095

Teacher's Signature : _____

Step 5 :- Write code to work.

→ Click on view → code from Menu Bar.

Form (code) window editor will be displayed on the screen.

Enter the following code in the editor.

```

Private Sub Check1_Click()
If Check1.Value = 1 Then
    Label6.FontUnderline = True
End If

If Check1.Value = 0 Then
    Label6.FontUnderline = False
End If
End Sub

Private Sub Check2_Click()
If Check2.Value = 1 Then
    Label6.FontStrikethru = True
End If

If Check2.Value = 0 Then
    Label6.FontStrikethru = False
End If
End Sub

```

Teacher's Signature :

```
[ Private Sub Combo1_Click()  
[ Label6.Font = Combo1  
[ End Sub
```

```
[ Private Sub Combo2_Click()  
[ If Combo2.ListIndex = 0 Then  
[ Label6.FontBold = False  
[ Label6.FontItalic = False  
[ End If
```

```
[ If Combo2.ListIndex = 1 Then  
[ Label6.FontBold = True  
[ Label6.FontItalic = False  
[ End If
```

```
[ If Combo2.ListIndex = 2 Then  
[ Label6.FontBold = False  
[ Label6.FontItalic = True  
[ End If
```

```
[ If Combo2.ListIndex = 3 Then  
[ Label6.FontBold = True  
[ Label6.FontItalic = True  
[ End If  
[ End Sub
```

```
[ Private Sub Combo3_Click()  
[ Label6.Fontsize = Combo3  
[ End Sub
```

- Private Sub Command1_Click()

Frame1.Visible = True

Form1.Height = 6045

Command1.Enabled = False

Command2.Enabled = False

End Sub

- Private Sub Command2_Click()

Dim answer As Integer

answer = MsgBox("Do you want to quit now?", vbYesNo)

If answer = 6 Then

MsgBox("Terminating Program")

End

End If

End Sub

- Private Sub Command3_Click()

Frame1.Visible = False

Command1.Enabled = True

Command2.Enabled = True

Form1.Height = 1850

Text1.FontSize = Combo3

Text1.Font = Combo1

If Combo2.ListIndex = 0 Then

Text1.FontBold = False

Text1.FontItalic = False

End If

Teacher's Signature :

If Combo2.ListIndex = 1 Then
Text1.FontBold = True
Text1.FontItalic = False
End If

If Combo2.ListIndex = 2 Then
Text1.FontBold = False
Text1.FontItalic = True
End If

If Combo2.ListIndex = 3 Then
Text1.FontBold = True
Text1.FontItalic = True
End If

If Check1.Value = 1 Then
Text1.FontUnderline = True
End If

If Check1.Value = 0 Then
Text1.FontUnderline = False
End If

If Check2.Value = 1 Then
Text1.FontStrikethru = True
End If

```
If Check2.Value = 0 Then  
    Text1.FontStrikeThrough = False  
End If  
End Sub
```

```
Private Sub Command4_Click()  
    Frame1.Visible = False  
    Command1.Enabled = True  
    Command2.Enabled = True  
    Form1.Height = 1850  
End Sub
```

```
Private Sub Form_Load()  
    Form1.Height = 1850  
End Sub
```

Step 6 : Save the Program

→ Click on File → Save Project from Menu Bar.

A 'Save Project As' window will open.
→ Navigate to the desired save Folder.
→ Enter File Name.
→ Click on 'Save' Button.

Step 7 :- Run the Program.

→ Click on Start under Run menu from Menu Bar.

The created Program will be Opened.

Step 8 : Make 'exe' program.

→ Click on File → Make program.exe... from Menu Bar.

'Make Project' window will be Opened.

→ Navigate to the desired folder.

→ Enter File Name.

→ Click on 'OK'.

The Program in executable form will be saved on the location.

RESULT :-

The desired Program is created and executed successfully.

AIM :- Develop a program that will cut, copy and paste text of text box.

Software Required :- Microsoft visual Basic 6.0
Should be installed on the system.

PROCEDURE :-

Step 1 : Open Microsoft visual Basic 6.0

- Click on 'START' on Task Bar.
- Click on 'All Apps'.
- Scroll down to go to 'Microsoft visual studio 6.0'
- Click on 'Microsoft visual studio 6.0'.
- Scroll down to go to "Microsoft visual Basic 6.0" and click on it.

Microsoft visual Basic 6.0 will open on the screen with "New Project" window on the top of the screen.

Step 2 : Create New Project.

- On the "New Project" window, Select "Standard EXE" under New Tab.
- Click on "Open" Button.

A new Project will be created, Opened on the screen.

Teacher's Signature : _____

Step 3 :- Design the form.

- Select a component (control) from toolbox and draw it on the Form using drag and drop.
- Repeat the instruction until all the following desired components are placed on the form.
- Desired components are :-
1 Label, 1 TextBox, 3 ControlBox

Step 4 :- Change Properties of Component.

- Select the desired component one by one and modify its properties from Properties window.
- Change properties of components a/c to the following data.

Component/Property

Setting

Form

Form1

Caption

Cut, Copy, Paste

BorderStyle

3-FixedDialog

Height

2385

Left

0

Top

0

StartUpPosition

1-CenterOwner

Width

4305

Component/PropertySetting.

Label

Label1

Caption

"Cut,Copy,Paste from
Textbox"

Height

255

Left

960

Top

120

Width

2415

TextBox

Text1

Height

495

Left

240

Text

Text1

Top

480

Width

3735

CommandButton

Command1

Caption

Cut

Height

495

Left

120

Top

1200

Width

1200

CommandButton

Command2

Caption

Copy

Left

1440

Top

1200

Width

1200

Command/Property

CommandButton

Caption

Height

Left

Top

Width

Setting

Command3

Paste

495

2760

1200

1200

Step 5:- Write code to work.

→ Click on View → Code from Menu Bar.

Form(Code) window editor will be displayed on the screen.

Enter the following code in the editor.

```

Private sub Command1-click()
Clipboard.Clear
Clipboard.SetText Text1.Text
Text1.text = " "
End sub

```

```

Private sub Command2-click()
Clipboard.Clear
Clipboard.SetText Text1.Text
End sub

```

Teacher's Signature : _____

```
Private Sub Command3_Click()
```

```
    Text1.Text = Text1.Text + Clipboard.GetText  
End Sub
```

Step 6 :- Save the Program.

Click on File → save Project from Menu Bar

A 'Save Project As' window will open.

→ Enter File Name and click on 'SAVE'.

Step 7 :- Run the Program

Click on Run → Start from Menu Bar.

The created Program will be opened.

Step 8 :- Make 'exe' - executable Program.

Click on File → Make exe from Menu Bar

'Make Project' window will open.

→ Enter File name and click 'OK'.

The Program in executable form will be saved on the location.

RESULT :-

The Program that will cut, copy and Paste text of textbox, is created, and executed successfully.

AIM :- Develop an application, which will contain numbers of images using control array. Using scrollbar increase or decrease numbers of images.

Software Required :- Microsoft visual Basic 6.0 should be installed on the system.

PROCEDURE :-

Step 1 :- Open Microsoft visual Basic 6.0.

- Click on "START" on TaskBar.
- Click on "All Apps".
- Scroll down to go to 'Microsoft visual Studio 6.0'.
- Click on 'Microsoft visual studio 6.0'
- scroll down to go to "Microsoft visual Basic 6.0" and click on it.

Microsoft visual Basic will Open on the screen with "New Project" window on the top of the screen.

Step 2 :- Create New Project.

- On the "New Project" window, select "Standard EXE" under New tab.
- click on "Open" Button.

A new Project will be created, Opened on the screen.

Teacher's Signature : _____

Step 3 :- Design the Form.

- Select a control and draw on the Form designer window using Mouse drag and drop.
- Repeat the preceding instruction, until and unless the all the components drawn on the form.
- Drag a Image box on the Form and Drag some more Image box.- Picture Box.

Step 4 :- Change Properties of PictureBox and others

- Select the desired component and modify properties of the component form properties window at the right of the window of visual Basic 6.0.
- change the properties of Components according to the following data.

Components/PropertySettings:

Form

Form1.

Caption

"Images"

Borderstyle

3-FixedDialog

Height

6045

StartUpPosition

1-CenterOwner

Width

6450

Teacher's Signature : _____

We will change index of Picture Box in every case :-

PictureBox
index
Picture

Picture1
0, 1, 2, 3 — 10
Add Picture.

Index of all PictureBox will range from 0 to 10 without any repetition all PictureBox will have same name, to create Picture from Control array.

To Add Picture, Click on Picture property of PictureBox and choose an image from Open dialog box.

Step 5:- Write Code to work.

→ Click on View → Code from Menu Bar.

Form(code) window editor will be displayed on the screen.

Enter the following code in the editor :-

```
Private Sub Form1_Load()
    Picture1.Picture = LoadPicture("G:\codes.JPG")
End Sub
```

Teacher's Signature :

Step 6 :- Save the Program.

→ Click on File → save Project from
Menu Bar.

A 'Save Project As' window will open.

→ Navigate to the desired save Folder.
→ Enter File Name.
→ Click on 'Save' Button.

Step 7 :- Run the Program.

→ Click on Start under Run menu
from Menu bar.

The created Program will be opened.

Step 8 :- Make 'exe' program.

→ Click on File → Make program.exe...
from Menu bar.

'Make Project' window will be opened.

→ Navigate to the desired folder.
→ Enter File name.
→ Click on OK.

RESULT :-

The desired Program is created and
executed successfully.

Teacher's Signature : _____

AIM :- Create a form with two command button having caption "Display Windows Directory" and "Exit". Make use of Windows API DLL GetwindowDirectory() to display the directory in which Microsoft Windows is installed when command button named "Display Window Directory" is clicked. "Exit" button is used to exit the application.

Software Required :- Microsoft visual Basic 6.0 should be installed on the system.

PROCEDURE :-

- Step 1 :- Open Microsoft visual Basic 6.0
- Click on START  on TaskBar.
 - Click on 'All Apps'.
 - Scroll down to go to 'Microsoft visual studio. 6.0'.
 - Click on 'Microsoft visual Basic 6.0'.
 - Scroll down to go to "Microsoft visual Basic 6.0" and click on it.

Microsoft visual Basic 6.0 will open on the screen with "New Project" window on the top of the screen.

Teacher's Signature :

Step 2 :- Create New Project.

- On the "New Project" window, select "Standard EXE" under New Tab.
- Click on "Open" Button.

A new Project will be created, opened on the screen.

Step 3 :- Design the Form.

- Select a component (control) from Toolbox and draw it on the Form using drag and drop.
- Repeat the instruction until all the following desired components are placed on the form.
- Desired components are :-
2 ControlBox, - 2 CommandBox.

Step 4 :- Change Properties of Components.

- Select the desired component one by one and modify its properties from Properties window
- change properties of components a/c to the following data.

Teacher's Signature : _____

Component / PropertySetting:

Form

Caption

Form1

BorderStyle

"My Form"

Height

3-Fixed Dialog

Left

4065

Top

0

StartupPosition

0

Width

1-CenterOwner

4305

CommandButton

Command1

Caption

"Display Window Directory".

Height

375

Left

120

Top

960

Width

3000

CommandButton

Command2

Caption

Exit

Height

375

Left

3240

Top

960

Width

3000

Teacher's Signature : _____

Step 5:- Write code to work.

→ Click on View → Code from Menu Bar.

Form(Code) window editor will be displayed on the screen.

Enter the following code in the editor :-

```
Private Sub Form_Load()
    Dim buf As String * 256
    Dim returnLen As Long
    Dim wid1 As Single
    Dim wid2 As Single
```

```
    returnLen = GetSystemDirectory(buf, Len(buf))
    lblSystemDirectory.Caption = Left$(buf, returnLen)
```

```
    returnLen = GetWindowsDirectory(buf, Len(buf))
    lblWindowsDirectory.Caption = Left$(buf, returnLen)
```

```
    wid1 = lblWindowsDirectory.Left +_
        lblWindowsDirectory.Width + Label1(0).Left
    wid2 = lblSystemDirectory.Left +_
        lblSystemDirectory.Width + Label1(0).Left
```

If wid1 > wid2 Then

width = width - scalewidth + wid1

Else

width = width - scalewidth + wid2

End If
End Sub

Teacher's Signature :

Step 6:- Save the Program.

→ Click on File → Save Project from
Menu Bar.

A 'Save Project As' window will open.

→ Navigate to the desired save folder.

→ Enter file name.

→ Click on 'Save' button.

Step 7:- Run the Program

→ Click on Start under Run menu
from menu bar.

The created Program will be opened.

Step 8:- Make 'exe' program.

→ Click on File → Make program.exe ...
from Menu bar.

'MAKE Project' window will be opened.

→ Navigate to the desired folder.

→ Enter file Name

→ click on OK.

RESULT :-

The desired Program is created and
executed successfully.

AIM :- Develop an application that will take the name of sound file (e.g. file with extension.wav) as an argument and will play the file. Use API function for playing the file.

Software Required :- Microsoft visual Basic 6.0
Should be installed on the system

PROCEDURE :-

Step 1 :- Open Microsoft visual Basic 6.0.

→ Click on "START" on Taskbar.

→ Click on "All Apps".

→ Scroll down to go "Microsoft visual studio 6.0".

→ Click on "Microsoft visual studio 6.0".

→ Scroll down to go to "Microsoft visual Basic 6.0" and click on it.

Microsoft visual Basic 6.0 will open on the screen with "New Project" window on the top of the screen.

Step 2 :- Create New Project.

→ On the "New Project" window, Select "Standard EXE" under New Tab.

→ Click on "Open" Button.

A new project will be created, opened on the screen.

Teacher's Signature : _____

Step 3: Add Components.

→ Click on Project → Components from Menu Bar.

A Component window will appear.

→ Scroll down to "Windows Media Player".

→ Select "Windows Media Player".

→ Click OK Button. after clicking 'Apply' Button.

Drag and Drop "Media Player" component to the form.

Step 4: Design the Form.

→ Select a component (control) from Toolbox and draw it on the Form using drag and drop.

→ Repeat the instruction until, following Components are not on the form.

1 TextBox

1 CommandButton.

Teacher's Signature : _____

Step 5 :- Change Properties of Components.

→ Select the desired component one by one and modify its properties from properties window.

→ Change Properties of components a/c to following data.

<u>Component/Property</u>	<u>Settings</u>
Form	Form1
Caption	"2000 Form"
Height	2000
Width	2000

Form	Form1
Caption	"2000 Form"
Height	2000
Width	2000

<u>Component/Property</u>	<u>Settings</u>
TextBox	Text1

Height	495
Left	20
Text	"D:\click.wav"
Top	50
Width	1000

<u>Component/Property</u>	<u>Settings</u>
CommandButton	Command1

Caption	Play
Left	0
Top	0
Width	1000

Step 6:- Write Code to work.

→ Click on View → Code from Menu Bar.

Form(Code) will appear on the screen.

→ Enter the following code in the editor :-

```
Private Sub Command1_Click()
```

```
WMP1.URL = Text1.Text
```

```
End Sub.
```

Step 7:- Save the program.

→ Click on File → Save Project from
Menu Bar.

A 'Save Project As' window will open.

→ Navigate to the desired save folder.

→ Enter File name.

→ Click on "Save" button.

Step 8:- Run the program.

→ Click on Run → Start menu from
Main menu.

The created program will be opened.

Step 9:- Make "exe" program.

→ Click on File → Make program.exe...
from Menubar.

"Make Project" window will be opened.

→ Navigate to the desired window.
→ Enter file name.
→ Click on OK.

RESULT :-

The desired program is created
and executed successfully.

AIM :- Write a simple application using timer control. Your project should contain an image, which moves around the form and change its direction when it hides the sides of the form.

Software Required :- Microsoft visual Basic 6.0 should be installed on the system.

PROCEDURE :-

Step 1 :- Open Microsoft visual Basic 6.0.

- Click on START "□" on Taskbar.
- Click on "All Apps".
- Scroll down to go to "Microsoft visual studio 6.0".
- Click on "Microsoft visual Basic 6.0".
- scroll down to go to "Microsoft visual Basic 6.0" and click on it.

Microsoft visual Basic 6.0 will be opened on the screen, with "New Project" window on the top of the screen.

Step 2 :- Create New Project.

- On the "New Project" window, Select "Standard EXE" under New Tab.
- Click on OPEN Button.

A new project will be opened on the screen.

STEP 3 :- Design the form :-

- Select a component (control) from ToolBox and draw it on the Form using drag and drop.
- Desired components are :-
Timer control, 1 PictureBox.

STEP 4 :- Add Picture to the PictureBox.

- Click on PictureBox.
- Go to its Property and click on "Picture".
- Choose an image from Open dialog box.

STEP 5 :- Setting Timer.

- Set Interval of Timer to a certain value other than 0.

The value of timer determines the speed of animation.

STEP 6 :- Write Visual Basic Code.

- Click on View → Code from Menu Bar.

Form (code) window editor will be displayed on the screen.

Enter the following code in the editor:-

```
Private Sub Command1_Click()
Dim i As Integer
If Picture1.Left > 7000 And Picture1.Left < 7050 Then
    i = 1
    'Picture hits Right end.
End If

If Picture1.Left < 0
    i = 0
    'Picture hits Left end.
End If

If i = 1 Then
    Picture1.Left = Picture1.Left - 1
Else If i = 0 Then
    Picture1.Left = Picture1.Left + 1
Else
    Picture1.Left = Picture1.Left + 1
End If

End Sub
```

Step 7 :- Save the Program.

→ Click on File → Save Project from
Menu Bar.

A "Save Project As" window will open.

→ Navigate to the desired save folder.
→ Enter File Name.
→ Click on 'Save' button.

Step 8 :- Run the Program.

→ Click on Start under Run menu
from menu bar.

The created program will be executed.

Step 9 :- Make "exe" program.

→ Click on File → Make program.exe...
from Menu Bar.

"Make Project" window will be opened.

→ Navigate to the desired folder.
→ Enter File Name.
→ Click on OK.

RESULT :-

The desired program is created
and executed successfully.