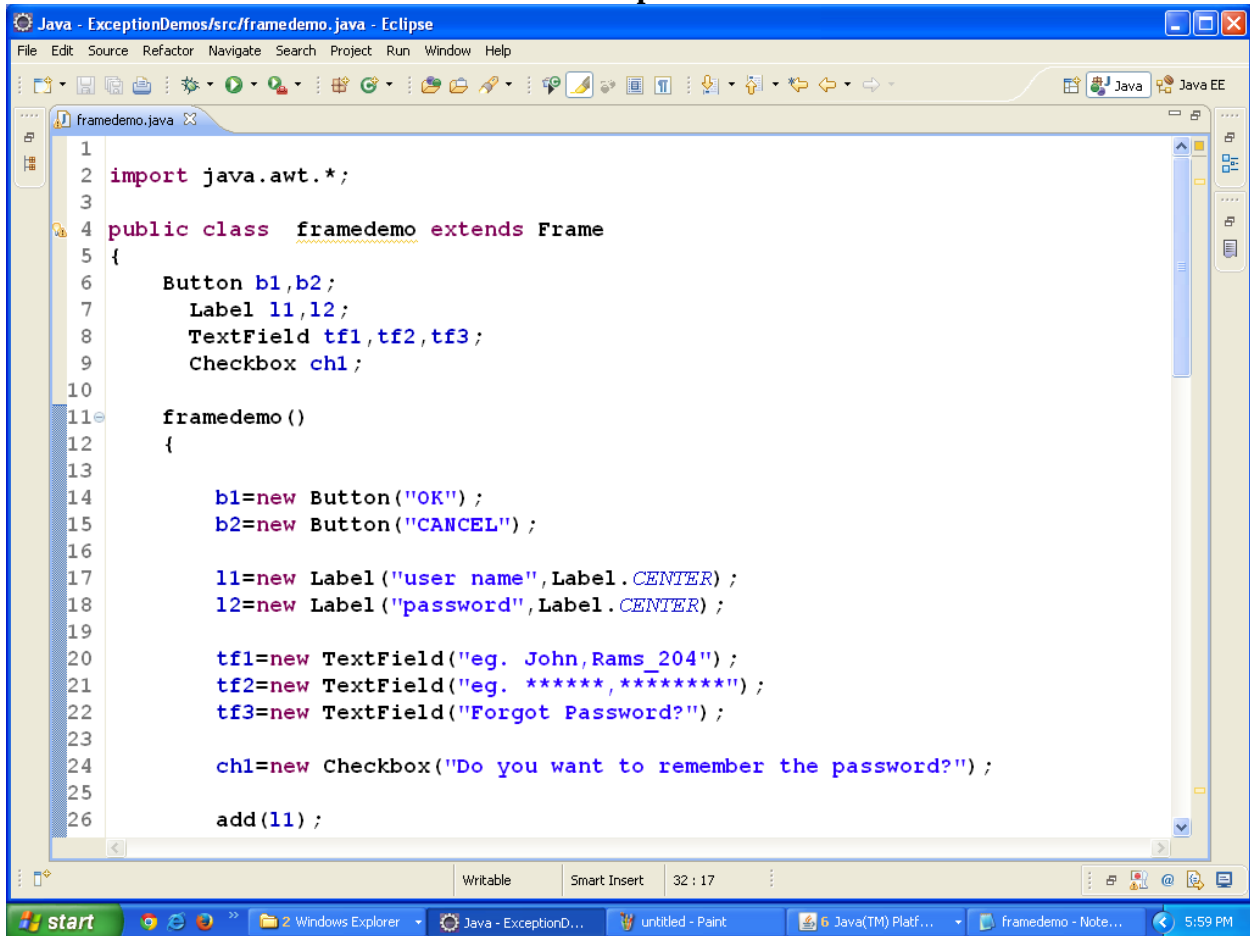


++Lab-9 Assignments

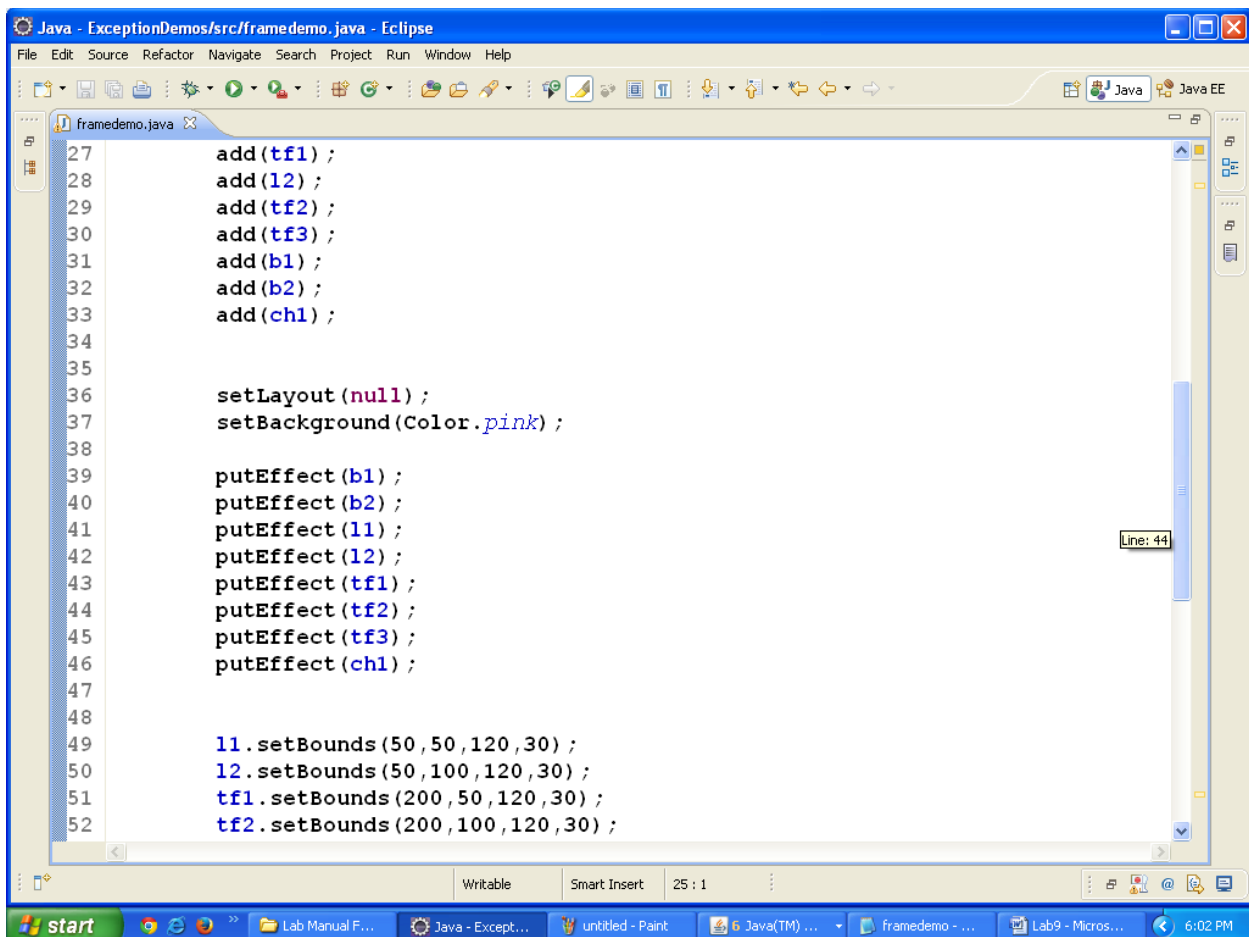
AWT(Abstract Window ToolKit)

Demo1: To Show the use of various AWT Components



```
1
2 import java.awt.*;
3
4 public class framedemo extends Frame
5 {
6     Button b1,b2;
7     Label l1,l2;
8     TextField tf1,tf2,tf3;
9     Checkbox chl;
10
11     framedemo ()
12     {
13
14         b1=new Button("OK");
15         b2=new Button("CANCEL");
16
17         l1=new Label ("user name",Label.CENTER);
18         l2=new Label ("password",Label.CENTER);
19
20         tf1=new TextField("eg. John,Rams_204");
21         tf2=new TextField("eg. *****,*****");
22         tf3=new TextField("Forgot Password?");
23
24         chl=new Checkbox("Do you want to remember the password?");
25
26         add(l1);
```

Continued...

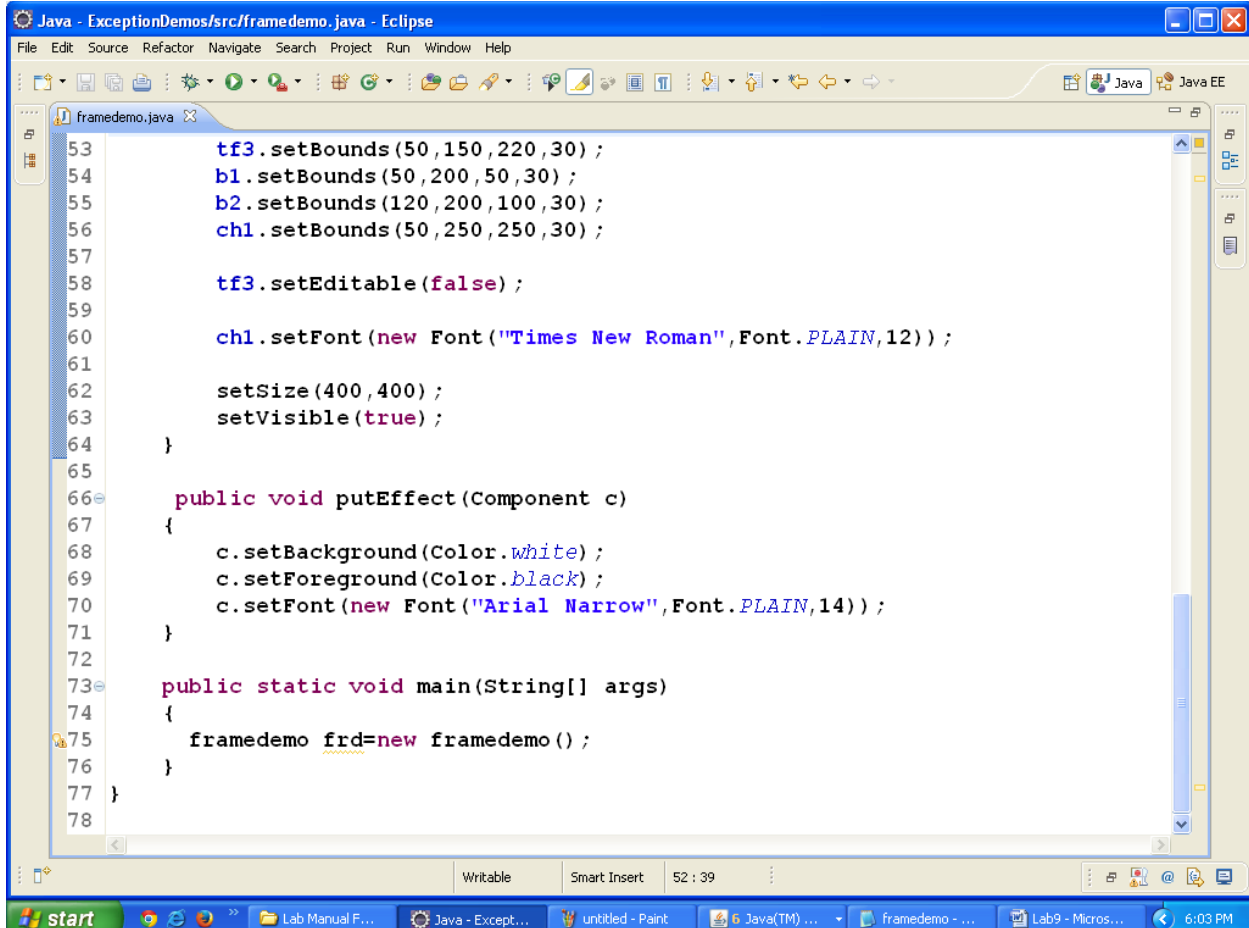


The screenshot shows the Eclipse IDE with the file 'framedemo.java' open. The code is as follows:

```
27      add(tf1);
28      add(l2);
29      add(tf2);
30      add(tf3);
31      add(b1);
32      add(b2);
33      add(ch1);
34
35
36      setLayout(null);
37      setBackground(Color.pink);
38
39      putEffect(b1);
40      putEffect(b2);
41      putEffect(l1);
42      putEffect(l2);
43      putEffect(tf1);
44      putEffect(tf2);
45      putEffect(tf3);
46      putEffect(ch1);
47
48
49      l1.setBounds(50,50,120,30);
50      l2.setBounds(50,100,120,30);
51      tf1.setBounds(200,50,120,30);
52      tf2.setBounds(200,100,120,30);
```

The status bar at the bottom indicates 'Writable', 'Smart Insert', and '25 : 1'. The taskbar at the very bottom shows the Windows start button and several open applications including 'Lab Manual F...', 'Java - Except...', 'untitled - Paint', 'Java(TM) ...', 'framedemo - ...', and 'Lab9 - Micros...'. The system clock shows '6:02 PM'.

Continued..



The screenshot shows the Eclipse IDE with the file 'framedemo.java' open, continuing from the previous screenshot. The code is as follows:

```
53      tf3.setBounds(50,150,220,30);
54      b1.setBounds(50,200,50,30);
55      b2.setBounds(120,200,100,30);
56      ch1.setBounds(50,250,250,30);
57
58      tf3.setEditable(false);
59
60      ch1.setFont(new Font("Times New Roman",Font.PLAIN,12));
61
62      setSize(400,400);
63      setVisible(true);
64  }
65
66  public void putEffect(Component c)
67  {
68      c.setBackground(Color.white);
69      c.setForeground(Color.black);
70      c.setFont(new Font("Arial Narrow",Font.PLAIN,14));
71  }
72
73  public static void main(String[] args)
74  {
75      framedemo frd=new framedemo();
76  }
77  }
78
```

The status bar at the bottom indicates 'Writable', 'Smart Insert', and '52 : 39'. The taskbar at the very bottom shows the Windows start button and several open applications including 'Lab Manual F...', 'Java - Except...', 'untitled - Paint', 'Java(TM) ...', 'framedemo - ...', and 'Lab9 - Micros...'. The system clock shows '6:03 PM'.

Run as -> Java Application

user name eg. John,Rams_2l

password eg. *****

Forgot Password?

OK CANCEL

☐ Do you want to remember the password?

Assignments To Solve

1. `

My Login

Username

Password

Ok Cancel

2. Generate the below page.. Draw 3 Scrollbars with backgrounds.(Event for which should be handled in the next lab..)



3. WAP to print your name with the particular Font on the Frame

Like....

