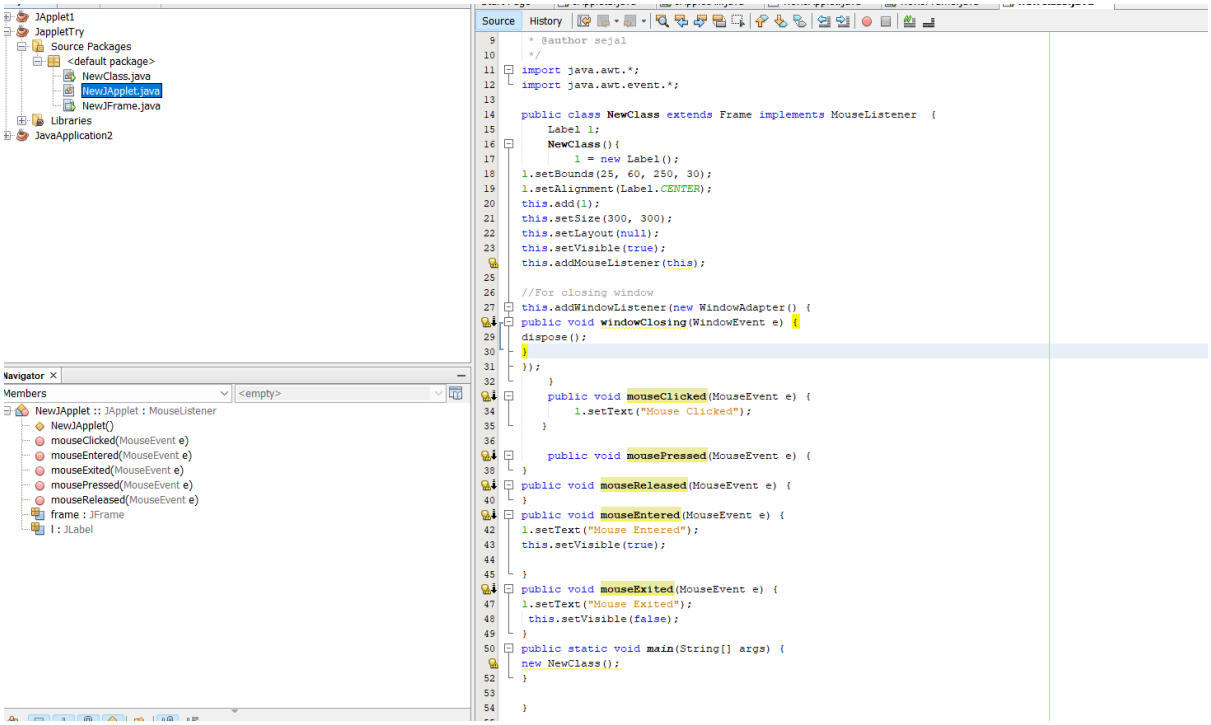
Write a program to create a frame using AWT. Implement mouseClicked, mouseEntered() and mouseExited() events.

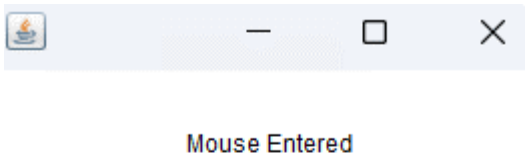
Frame should become visible when the mouse enters it.

Type 1 : Create New java class. Extends from Frame add label

```
import java.awt.*;
import java.awt.event.*;

public class NewClass extends Frame implements MouseListener  {
   Label l;
   NewClass(){
      l = new Label();
l.setBounds(25, 60, 250, 30);
l.setAlignment(Label.CENTER);
this.add(l);
this.setSize(300, 300);
this.setLayout(null);
this.setVisible(true);
this.addMouseListener(this);

//For closing window
this.addWindowListener(new WindowAdapter() {
public void windowClosing(WindowEvent e) {
dispose();
}
});


   }
```

```
    public void mouseClicked(MouseEvent e) {
        l.setText("Mouse Clicked");
    }

    public void mousePressed(MouseEvent e) {
}
public void mouseReleased(MouseEvent e) {
}
public void mouseEntered(MouseEvent e) {
l.setText("Mouse Entered");
this.setVisible(true);

}
public void mouseExited(MouseEvent e) {
l.setText("Mouse Exited");
 this.setVisible(false);



}
public static void main(String[] args) {
new NewClass();
}

}
```



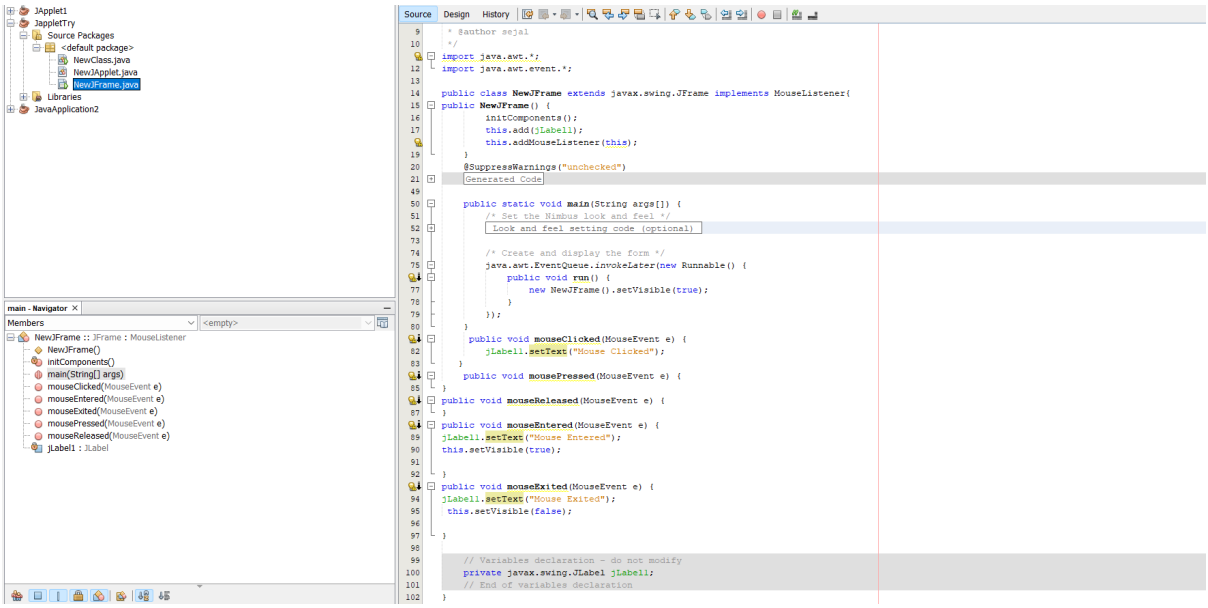


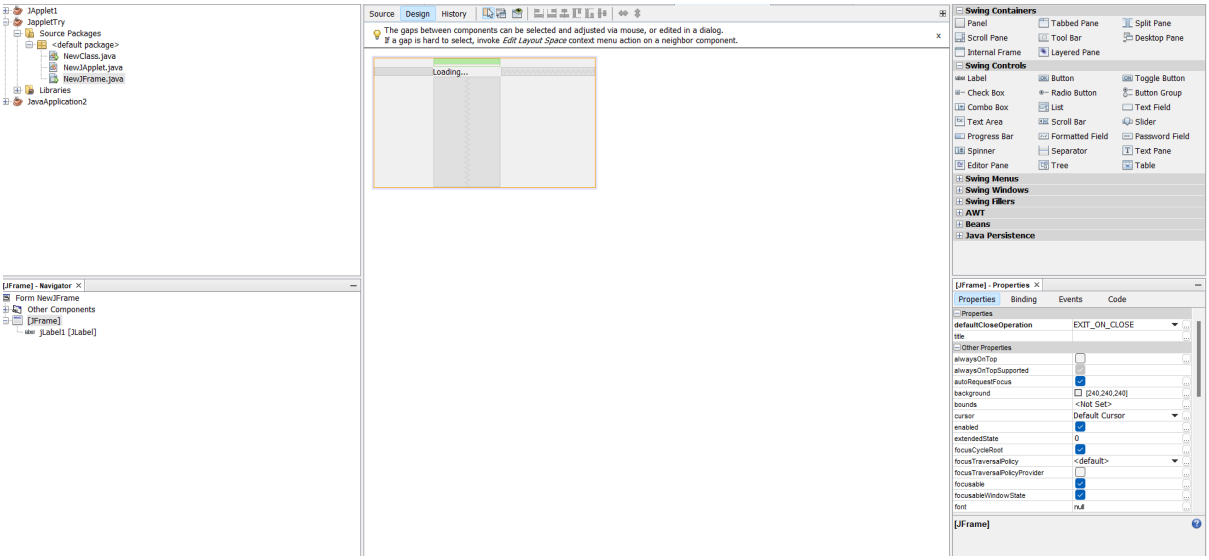
Type 2 : Create Frame class. Design on front end , add mouse events manually

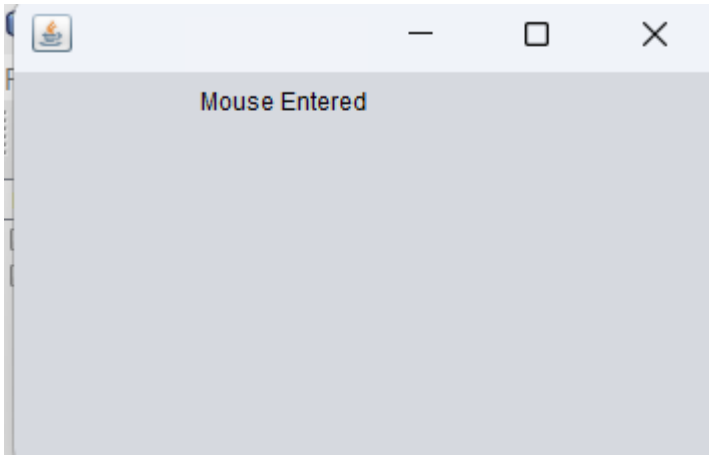
```
import java.awt.*;
import java.awt.event.*;

public class NewJFrame extends javax.swing.JFrame implements MouseListener{

    /**
```

```
     * Creates new form NewJFrame
     */

    public NewJFrame() {
        initComponents();
        this.add(jLabel1);
        this.addMouseListener(this);
    }

    public static void main(String args[]) {

    }
     public void mouseClicked(MouseEvent e) {
        jLabel1.setText("Mouse Clicked");
   }

    public void mousePressed(MouseEvent e) {
}
public void mouseReleased(MouseEvent e) {
}
public void mouseEntered(MouseEvent e) {
jLabel1.setText("Mouse Entered");
this.setVisible(true);

}
public void mouseExited(MouseEvent e) {
jLabel1.setText("Mouse Exited");
 this.setVisible(false);

}
```

```
    // Variables declaration - do not modify
    private javax.swing.JLabel jLabel1;
    // End of variables declaration
}
```



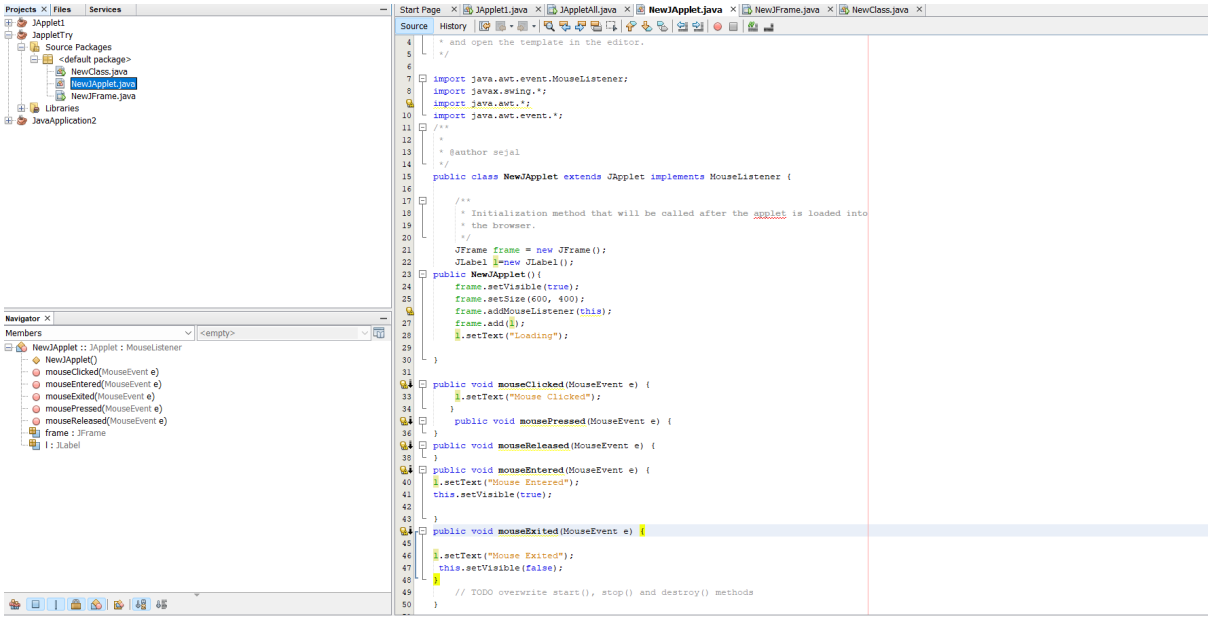


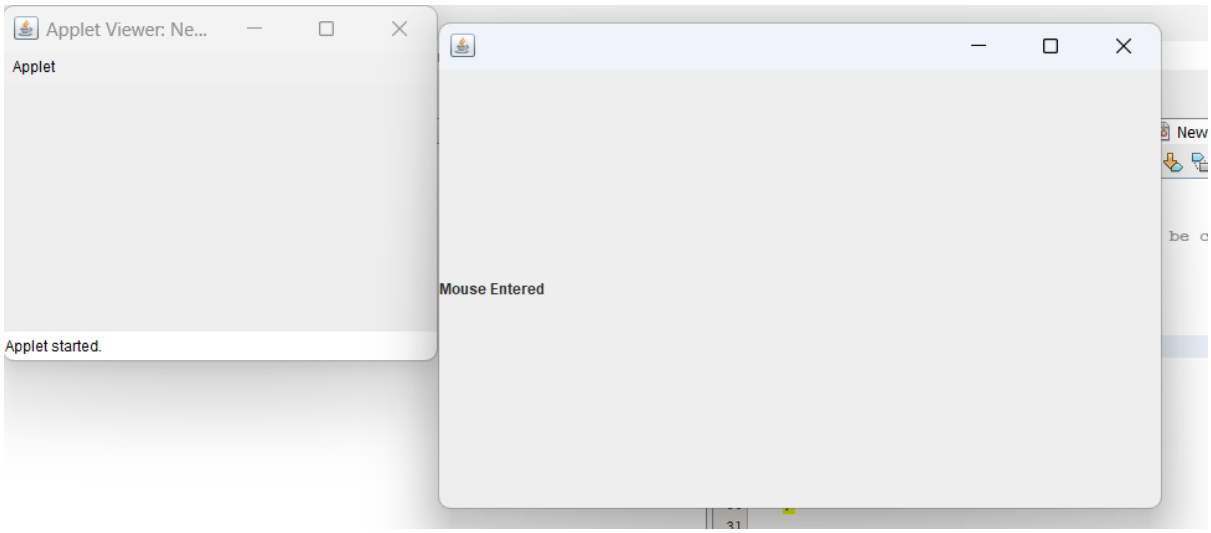


Type 2 : Create JApplet class. Create Frame and lable

```
import java.awt.event.MouseListener;
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
/**
 *
 * @author sejal
 */
public class NewJApplet extends JApplet implements MouseListener {

    /**
     * Initialization method that will be called after the applet is loaded into
     * the browser.
     */
    JFrame frame = new JFrame();
    JLabel l=new JLabel();
public NewJApplet(){
    frame.setVisible(true);
    frame.setSize(600, 400);
    frame.addMouseListener(this);
    frame.add(l);
```

```
    l.setText("Loading");

}

public void mouseClicked(MouseEvent e) {
    l.setText("Mouse Clicked");
   }
    public void mousePressed(MouseEvent e) {
}
public void mouseReleased(MouseEvent e) {
}
public void mouseEntered(MouseEvent e) {
l.setText("Mouse Entered");
this.setVisible(true);

}
public void mouseExited(MouseEvent e) {

l.setText("Mouse Exited");
 this.setVisible(false);



}

    // TODO overwrite start(), stop() and destroy() methods
}
```


Projects
Files
Services
JApplet1
JappletTry
Source Packages
<default package>
NewClass.java
NewJApplet.java
NewJFrame.java
Libraries
JavaApplication2
Navigator
Members
<empty>
NewJApplet :: JApplet : MouseListener
NewJApplet()
mouseClicked(MouseEvent e)
mouseEntered(MouseEvent e)
mouseExited(MouseEvent e)
mousePressed(MouseEvent e)
mouseReleased(MouseEvent e)
frame : JFrame
l : JLabel
Start Page
JApplet1.java
JAppletAll.java
NewJApplet.java
NewJFrame.java
NewClass.java
Source
History
* and open the template in the editor.
*/
import java.awt.event.MouseListener;
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
/**
*
* @author sejal
*/
public class NewJApplet extends JApplet implements MouseListener {
/**
* Initialization method that will be called after the applet is loaded into
* the browser.
*/
JFrame frame = new JFrame();
JLabel l=new JLabel();
public NewJApplet(){
frame.setVisible(true);
frame.setSize(600, 400);
frame.addMouseListener(this);
frame.add(l);
l.setText("Loading");
}
public void mouseClicked(MouseEvent e) {
l.setText("Mouse Clicked");
}
public void mousePressed(MouseEvent e) {
}
public void mouseReleased(MouseEvent e) {
}
public void mouseEntered(MouseEvent e) {
l.setText("Mouse Entered");
this.setVisible(true);
}
public void mouseExited(MouseEvent e) {
l.setText("Mouse Exited");
this.setVisible(false);
}
// TODO overwrite start(), stop() and destroy() methods
}


Applet Viewer: Ne...
Applet
Applet started.
Mouse Entered