# Slip 25

## 10 Marks:

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

public class MouseEventDemo extends Frame implements MouseListener {
    public MouseEventDemo() {
        setTitle("Mouse Event Demo");
        setSize(400, 400);
        setVisible(true);
        addMouseListener(this);
    }

    public void mouseClicked(MouseEvent e) {
        System.out.println("Mouse Clicked at: " + e.getX() + ", " +
e.getY());
    }

    public void mouseEntered(MouseEvent e) {
        System.out.println("Mouse Entered the Frame");
    }

    public void mouseExited(MouseEvent e) {
        System.out.println("Mouse Exited the Frame");
    }

    public void mousePressed(MouseEvent e) {}

    public void mouseReleased(MouseEvent e) {}

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

## 20 Marks:

```java
Copy code
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;

public class MouseEvents extends JFrame implements MouseListener,
MouseMotionListener {
    private String str = "";
    private JTextArea ta;

    public MouseEvents() {
        ta = new JTextArea("Click the mouse or move it", 5, 20);
        ta.setFont(new Font("Arial", Font.BOLD, 20));
```

```java
        add(ta);
        ta.addMouseListener(this);
        ta.addMouseMotionListener(this);

        setLayout(new FlowLayout());
        setSize(400, 400);
        setVisible(true);
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    }

    public void mouseClicked(MouseEvent me) {
        str += "Mouse Clicked\n";
        display();
    }

    public void mouseEntered(MouseEvent me) {
        str += "Mouse Entered\n";
        display();
    }

    public void mouseExited(MouseEvent me) {
        str += "Mouse Exited\n";
        display();
    }

    public void mousePressed(MouseEvent me) {
        str += "Mouse Pressed\n";
        display();
    }

    public void mouseReleased(MouseEvent me) {
        str += "Mouse Released\n";
        display();
    }

    public void mouseDragged(MouseEvent me) {
        str += "Mouse Dragged\n";
        display();
    }

    public void mouseMoved(MouseEvent me) {
        str += "Mouse Moved\n";
        display();
    }

    public void display() {
        ta.setText(str);
        str = "";
    }

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