

Slip No. 25 (Total Marks: 30)

1.

```
java
Copy code
import java.util.Scanner;

class Rectangle {
    int length, breadth;

    public Rectangle(int length, int breadth) {
        this.length = length;
        this.breadth = breadth;
    }

    public int calculateArea() {
        return length * breadth;
    }

    public int calculatePerimeter() {
        return 2 * (length + breadth);
    }

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int length = sc.nextInt();
        int breadth = sc.nextInt();
        Rectangle rectangle = new Rectangle(length, breadth);

        System.out.println("Area: " + rectangle.calculateArea());
        System.out.println("Perimeter: " + rectangle.calculatePerimeter());
    }
}
```

2.

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

public class MouseEvents extends JFrame implements MouseListener,
MouseMotionListener {
    JTextField textField;

    public MouseEvents() {
        textField = new JTextField();
        textField.setBounds(20, 50, 200, 30);
        add(textField);

        addMouseListener(this);
        addMouseMotionListener(this);
    }
}
```

```

        setLayout(null);
        setSize(400, 400);
        setVisible(true);
        setDefaultCloseOperation(EXIT_ON_CLOSE);
    }

    public void mouseClicked(MouseEvent e) {
        textField.setText("Clicked at X:" + e.getX() + " Y:" + e.getY());
    }

    public void mouseMoved(MouseEvent e) {
        textField.setText("Moved at X:" + e.getX() + " Y:" + e.getY());
    }

    public void mousePressed(MouseEvent e) {}
    public void mouseReleased(MouseEvent e) {}
    public void mouseEntered(MouseEvent e) {}
    public void mouseExited(MouseEvent e) {}
    public void mouseDragged(MouseEvent e) {}

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

```