Experiment 5

Write a program to demonstrate various mouse events using MouseListener and

MouseMotionListener interface.

*import* javax.swing.\*;

*import* java.awt.\*;

*import* java.awt.event.\*;

public class MouseEventDemo extends JFrame implements MouseListener, MouseMotionListener {

private JLabel statusLabel;

public MouseEventDemo() {

setTitle("Mouse Event Demo");

setSize(400, 300);

setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

setLayout(*new* BorderLayout());

statusLabel *=* *new* JLabel("Perform mouse actions inside the window", JLabel.CENTER);

add(statusLabel, BorderLayout.SOUTH);

addMouseListener(this);

addMouseMotionListener(this);

setVisible(true);

}

public void mouseClicked(MouseEvent e) {

statusLabel.setText("Mouse Clicked at (" *+* e.getX() *+* ", " *+* e.getY() *+* ")");

}

public void mousePressed(MouseEvent e) {

statusLabel.setText("Mouse Pressed at (" *+* e.getX() *+* ", " *+* e.getY() *+* ")");

}

public void mouseReleased(MouseEvent e) {

statusLabel.setText("Mouse Released at (" *+* e.getX() *+* ", " *+* e.getY() *+* ")");

}

public void mouseEntered(MouseEvent e) {

statusLabel.setText("Mouse Entered the window");

}

public void mouseExited(MouseEvent e) {

statusLabel.setText("Mouse Exited the window");

}

public void mouseDragged(MouseEvent e) {

statusLabel.setText("Mouse Dragged to (" *+* e.getX() *+* ", " *+* e.getY() *+* ")");

}

public void mouseMoved(MouseEvent e) {

statusLabel.setText("Mouse Moved to (" *+* e.getX() *+* ", " *+* e.getY() *+* ")");

}

public static void main(String[] args) {

*new* MouseEventDemo();

}

}

