

Date :19/03/2024

PROGRAM-1

LAB-9

AIM:-WAP THAT ILLUSTRATED HOW TO PROCESS MOUSE CLICK,ENTER,EXIT,PRESS,AND RELEASE EVENTS.THE BACKGROUND COLOR CHANGE WHEN THE MOUSE IS ENTERD ,CLICKED,PRESSED,RELEASED AND EXITED.

CODE:

```
import java.awt.event.MouseEvent;
import java.awt.event.MouseListener;
import java.awt.*;
import javax.swing.*;

public class lab_9_1 implements MouseListener {
    JFrame f= new JFrame("mouse listener");
    JLabel l = new JLabel("label");
    JTextField t= new JTextField("dev");
    lab_9_1(){
        f.setDefaultCloseOperation(WindowConstants.EXIT_ON_CLOSE);
        f.setVisible(true);
        f.setSize(500,500);
        f.setLayout(null);
        f.setBackground(Color.BLUE);
        l.setBounds(0,0,200,200);
```

```

l.setOpaque(true);
l.setBackground(Color.GREEN);
t.setBounds(500,0,200,200);
t.setBackground(Color.YELLOW);
f.add(l);
l.addMouseListener(this );
t.addMouseListener(this);

f.add(t);
// f.pack();
}

@Override
public void mouseClicked(MouseEvent e) {
    t.setBackground(Color.GREEN);
    l.setBackground(Color.GREEN);
    l.setText("color is change ");
}

@Override
public void mousePressed(MouseEvent e) {
    t.setBackground(Color.cyan);
    t.setText("Color is change ");
    l.setBackground(Color.BLUE);
}

```


```
@Override  
public void mouseReleased(MouseEvent e) {  
    t.setBackground(Color.green);  
    t.setText("mouse released");  
    l.setText("mouse released");  
    l.setBackground(Color.DARK_GRAY);  
}
```

```
@Override  
public void mouseEntered(MouseEvent e) {  
    t.setBackground(Color.YELLOW);  
    l.setBackground(Color.green);  
}
```

```
@Override  
public void mouseExited(MouseEvent e) {  
    t.setBackground(Color.MAGENTA);  
    l.setBackground(Color.blue);  
}
```

```
public static void main(String[] args) {  
    new lab_9_1();  
}}
```

OUTPUT:

 mouse listener

