## LAB 9

## Programs to illustrate the following classes

# 1. Mouse Adapter

Code



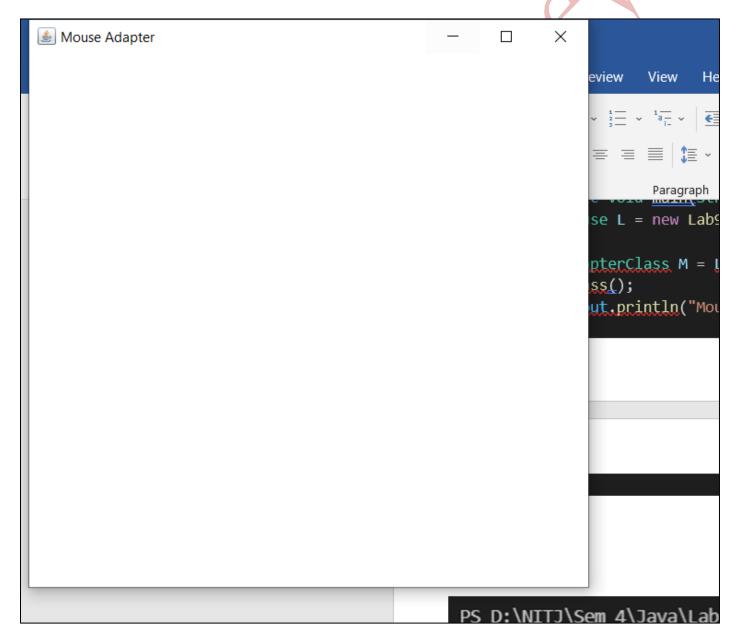
```
System.out.println("Mouse Adapter Class Executed!");
}
```

### Output

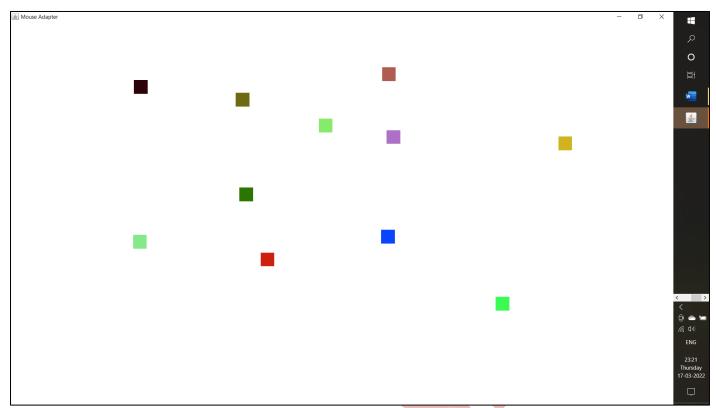
1. Console output:

```
PS D:\NITJ\Sem 4\Java\Lab 9> javac Lab9_Mouse.java
PS D:\NITJ\Sem 4\Java\Lab 9> java Lab9_Mouse
Mouse Adapter Class Executed!
```

2. The new frame created:



- 3. The frame in full screen after clicking a few spots
- 4. The frame can be closed by clicking the cross on top right, or by typing ctrl+c in the console





## Key Adapter

#### Code

```
import java.awt.*;
import java.awt.event.*;
public class Lab9_Key {
    public class keyAdapterClass extends KeyAdapter {
        Frame f;
        TextField textArea;
        Label label;
        public keyAdapterClass() {
            f = new Frame("Key Adapter");
            f.addWindowListener(new WindowAdapter() {
                public void windowClosing(WindowEvent windowEvent) {
                    System.exit(0);
                }
            });
            textArea = new TextField();
            textArea.setBounds(50, 50, 400, 200);
            textArea.setBackground(Color.LIGHT GRAY);
            textArea.addKeyListener(this);
            label = new Label();
            label.setBounds(0, 100, 500, 500);
            label.setAlignment(Label.CENTER);
            f.setSize(500, 500);
            f.setLayout(null);
            f.add(textArea);
            f.add(label);
            f.setVisible(true);
        public void keyPressed(KeyEvent e) {
            if(e.getKeyCode() == KeyEvent.VK_ENTER) {
                label.setText("Entered text: " + textArea.getText());
            }
    }
    public static void main(String[] args) {
        Lab9_Key L = new Lab9_Key();
        keyAdapterClass K = L.new keyAdapterClass();
```

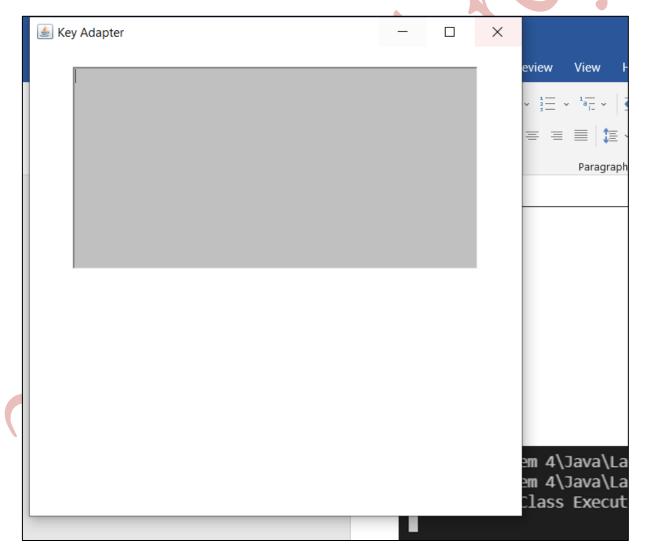
```
K.getClass();
System.out.println("Key Adapter Class Executed!");
}
```

### Output

1. Console Output:

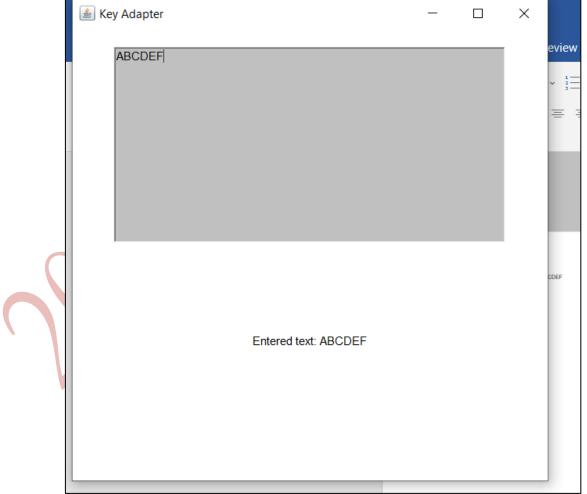
```
PS D:\NITJ\Sem 4\Java\Lab 9> javac Lab9_Key.java
PS D:\NITJ\Sem 4\Java\Lab 9> java Lab9_Key
Key Adapter Class Executed!
```

2. The new frame created:



- 3. The frame in full screen with some letters typed in
- 4. After typing ABCDEF, enter was clicked to get the output





5. The Frame is exited by clicking the cross on top right, or by typing ctrl+c in the console