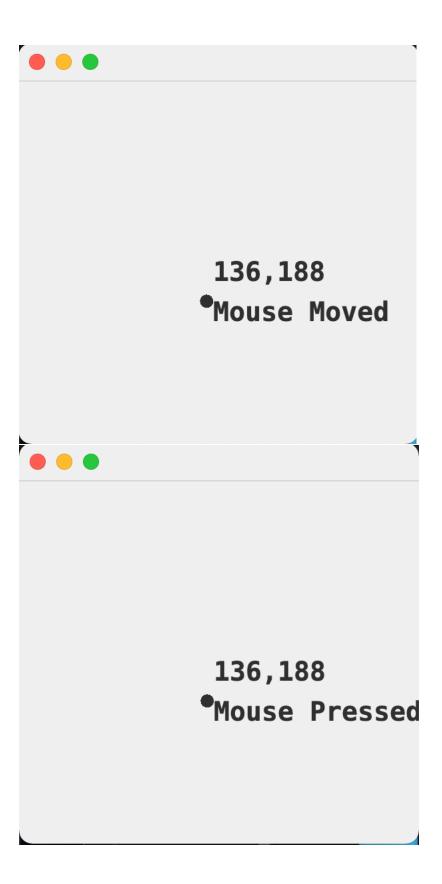1.Write a program to display the current coordinates of the mouse in the program's window. Each time a button is pressed, the phrase "Button Down" is displayed at the location of the mouse pointer. Each time the button is released, the phrase "Button Released" is shown. If a button is clicked, a message stating this fact is displayed at the current mouse location. As the mouse enters or exits the window, a message is displayed that indicates what happened. When dragging the mouse, a * is shown, which tracks with the mouse pointer as it is dragged.

```java
import java.awt.*;
import java.awt.event.*;
public class MouseXY extends Frame implements MouseListener, MouseMotionListener
{
 int x, y;
 String str="";
 public MouseXY()
 {
   addMouseListener(this);
   addMouseMotionListener(this);

   setSize(300, 300);
   setVisible(true);
 }
 public void mousePressed(MouseEvent e)
 {
  x = e.getX();
  y = e.getY();
  str = "Mouse Pressed";
  repaint();
 }
 public void mouseReleased(MouseEvent e)
 {
  x = e.getX();
  y = e.getY();
  str = "Mouse Released";
  repaint();
 }
 public void mouseClicked(MouseEvent e)
 {
  x = e.getX();
  y = e.getY();
  str = "Mouse Clicked";
  repaint();
 }
 public void mouseEntered(MouseEvent e)
```

```java
  {
   x = e.getX();
   y = e.getY();
   str = "Mouse Entered";
   repaint();
  }
  public void mouseExited(MouseEvent e)
  {
   x = e.getX();
   y = e.getY();
   str = "Mouse Exited";
   repaint();
  }
  public void mouseMoved(MouseEvent e)
  {
   x = e.getX();
   y = e.getY();
   str = "Mouse Moved";
   repaint();
  }
  public void mouseDragged(MouseEvent e)
  {
   x = e.getX();
   y = e.getY();
   str = "Mouse dragged";
   repaint();
  }
  public void paint(Graphics g)
  {
   g.setFont(new Font("Monospaced", Font.BOLD, 20));
   g.fillOval(x, y, 10, 10);
   g.drawString(x + "," + y,  x+10, y -10);
   g.drawString(str, x+10, y+20);
  }
  public static void main(String args[])
  {
   new MouseXY();
  }
}
```

output:

136,188

Mouse Moved

136,188

Mouse Pressed

116,164
Mouse Released

136,188

●Mouse Clicked

```
Last login: Mon Jan 11 12:34:27 on ttys002
[ADITYAs-MacBook-Pro:~ adityaprakasha$ cd developer
[ADITYAs-MacBook-Pro:developer adityaprakasha$ cd java
[ADITYAs-MacBook-Pro:java adityaprakasha$ cd practice_pro
[ADITYAs-MacBook-Pro:practice_pro adityaprakasha$ cd mouse_coordinates
[ADITYAs-MacBook-Pro:mouse_coordinates adityaprakasha$ java MouseXY
```

Add an optional extended description...

○ ⚬ Commit directly to the `master` branch.

○ ⭣ Create a **new branch** for this commit and start a pull r

Commit changes   Cancel