**MouseListener:-**

This interface is used for receiving the mouse events.

* It occurs when the state of mouse is chaged.

It has following methods:-

1. **public** **abstract** **void** mouseClicked(MouseEvent e);
2. **public** **abstract** **void** mouseEntered(MouseEvent e);
3. **public** **abstract** **void** mouseExited(MouseEvent e);
4. **public** **abstract** **void** mousePressed(MouseEvent e);
5. **public** **abstract** **void** mouseReleased(MouseEvent e);

**KeyEvent:-**

1. public abstract void keyPressed(KeyEvent e);
2. public abstract void keyReleased(KeyEvent e);
3. public abstract void keyTyped(KeyEvent e);

It notifies whenever state of key is changed.

KeyListener interface is used to handle this event.

Method of KeyListener are as followed.

**Example**

import java.awt.\*;

import java.awt.event.\*;

class MouseEventEx extends Frame implements MouseListener

{

int x=100,y=200;

int count=0;

MouseEventEx()

{

addMouseListener(this);

}

public void paint(Graphics g)

{

count++;

if(count<=3)

{

g.setColor(Color.cyan);

}

else

{

g.setColor(Color.red);

}

setFont(new Font("TimesRoman",Font.BOLD,30));

g.drawString("Welcome to CDAC",x,y);

}

public void mouseClicked(MouseEvent e)

{

x=e.getX();

y=e.getY();

repaint();

}

public void mousePresed(MouseEvent e)

{

}

public void mouseReleased(MouseEvent e)

{

}

public void mousePressed(MouseEvent e)

{

}

public void mouseEntered(MouseEvent e)

{

}

public void mouseExited(MouseEvent e)

{

}

public static void main(String[] args)

{

MouseEventEx om=new MouseEventEx();

Toolkit tk=Toolkit.getDefaultToolkit();

om.setSize(tk.getScreenSize());

om.setBackground(Color.cyan);

om.setVisible(true);

}

}

****