Practical 1 (key event)

//package Applet;

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

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

**public** **class** keyDemo **implements** KeyListener

{

Label label1,label2,label3;

TextField field1;

Frame jf;

String str;

TextArea taDisplay;

keyDemo(){

jf=**new** Frame("Handling KEY EVENT");

label1=**new** Label("Press any key on the keyboard ,to see the events it generates- ",Label.***CENTER***);

label2 = **new** Label("Enter text : ");

field1 = **new** TextField(20);

jf.setLayout(**new** FlowLayout(FlowLayout.***CENTER***));

jf.add(label1);

jf.add(label2);

jf.add(field1);

label3 = **new** Label("Event activities");

jf.add(label3);

taDisplay= **new** TextArea(5,40);//5 rows,40 columns

jf.add(taDisplay);

field1.addKeyListener(**this**);

jf.addWindowListener(**new** WindowAdapter() {

**public** **void** windowClosing(WindowEvent we) {

System.*exit*(0);

}

});

jf.setExtendedState(Frame.***MAXIMIZED\_BOTH***);

jf.setVisible(**true**);

}

**public** **void** keyPressed(KeyEvent ke) {

str="KeyCode:"+ke.getKeyCode()+", Key Pressed ";

label3.setText(str);

jf.setVisible(**true**);

}

**public** **void** keyTyped(KeyEvent ke) {

str+="Key typed ";

label3.setText(str);

jf.setVisible(**true**);

taDisplay.append("You have typed : "+ke.getKeyChar()+"\n");

}

**public** **void** keyReleased(KeyEvent ke) {

str+="Key Released";

label3.setText(str);

jf.setVisible(**true**);

str="";

}

**public** **static** **void** main(String[] args) {

**new** keyDemo();

}

}