


Java Swing:

ActionListener.java

* interface → ActionListener → actionPerformed (ActionEvent e).

* Frame.setLocationRelativeTo(null); — 

* //Frame icon change.

ImageIcon img = new ImageIcon("path");

frame.setIconImage(img.getImage());

* frame.setResizable(false). → frame resize honar nahi

* //Font.

Font font = new Font("Times New Roman, Font BOLD, size);
label.setFont(font);

* //Password hiding.

* passwordfield.setEchoChar('*'); → pass hide * format maathe honar
passwordfield.setEchoChar((char) 0); → show the password.

* //Cursor on button.

Cursor c = new Cursor(Cursor.HAND_CURSOR);
button.setCursor(c);

* //Text area text line wrap method.

textarea.setLineWrap(true);

* //Radio Button.

JRadioButton o1 = new JRadioButton("—");
"02" " " ;

ButtonGroup grp = new ButtonGroup();
grp.add(o1);
grp.add(o2);
c.add(o1);
c.add(o2);

"Gr adhich select pahje asei tr.
o1.setSelected(true);

* //JCheckBox.

JCheckBox ob = new JCheckBox("—");

* Event Handling.

1) ActionListener — click on button
press enter in TextField
choose a menuItem.

* JComboBox<String> combo = new JComboBox
<> (arr);

combo.addActionListener(

P.V.A.P
{

String str = combo.getSelectedItem().

ItemListener.java — (0 to string);
}

* lambda Expression

combo.addItemListener(e → textArea.
copy());

* JComboBox com = new JComboBox (arr);
com.addItemListener(this)

p.v. itemStateChanged (ItemEvent e) {
str = com.getSelectedItem().toString();
}

KEYLISTENER.JAVA

abstract Method.

keyPressed (KeyEvent e)

keyReleased (KeyEvent e)

keyTyped (KeyEvent e)

JMenuBar —

JMenu —

JMenuItem i1, i2.

i1.addActionListener(—

```
{
    textArea.cut();
    or
    textArea.selectAll();
    or
    textArea.paste();
}
```

late can
do it.

* RadioButton ItemListener.

JRadioButton male, female;

male = — ;

female = — ;

male.addItemListener(this);

female.addItemListener(this);

}

P.V. itemStateChanged (ItemEvent e)

{

}

* checkBox i1, i2, i3.

i1.addItemListener(this);

i2 —

i3 —

P.V. itemStateChanged (ItemEvent e)

{

if (i1.isSelected()) {

—

if (i2.isSelected()) {

—

}

* JCheckBox MenuItem → "Dark Mode."

JCheckBox obj = new JCheckBox("Dark Mode");

obj.addItemListener(this);

menu.add(obj);

menuBar.add(menu);

frame.setJMenuBar(menuBar);

P.S. Item — (—) {

if (obj.isSelected())

{

— Dark mode —

else { light mode }