Course Name: A Level (2nd Sem)   **Subject: JAVA**
Topic: Swing(Part 2)   **Date: 18-06-20**

6)Java JList:

JList is a swing component that displays a list of objects and allows the user to select one or more items. JList is like ListViews in other programming languages where it allows us to represent a list of items.
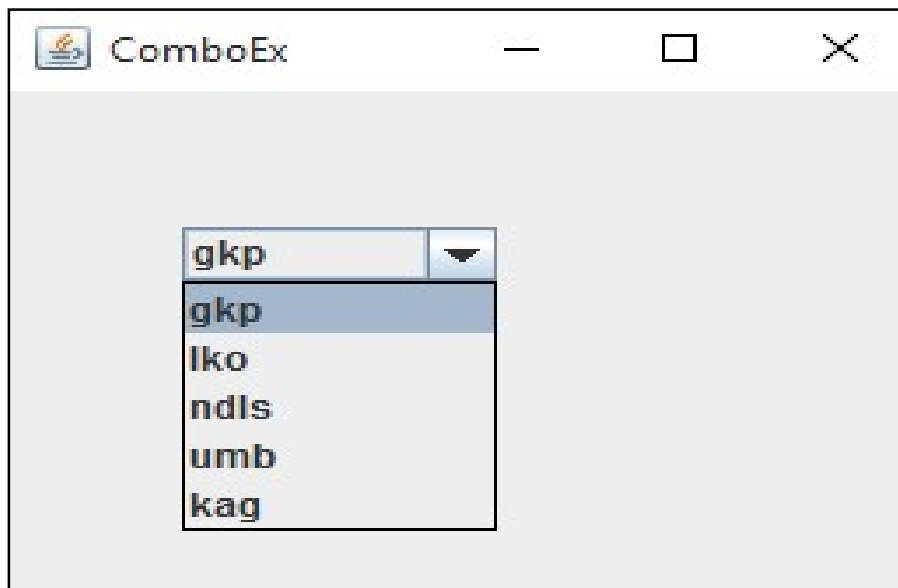
```java
import javax.swing.*;
public class Li
{
Li(){
JFrame f= new JFrame();
DefaultListModel<String> l1 = new DefaultListModel<>();
l1.addElement("Tarantino");
l1.addElement("Burton");
l1.addElement("Lucas");
l1.addElement("Bay");
JList<String> list = new JList<>(l1);
list.setBounds(80,100, 70,70);
f.add(list);
f.setSize(300,300);
f.setLayout(null);
f.setVisible(true);
}
public static void main(String args[])
{
new Li();
}}
```
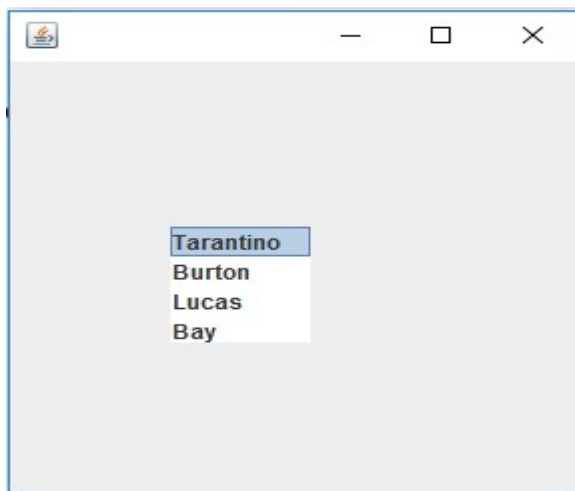
7)JComboBox:

JComboBox shows a popup menu that shows a list and the user can select a option from that specified list .
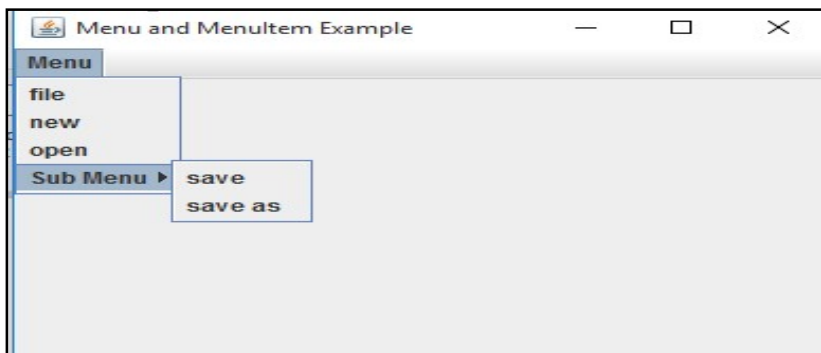
```java
import javax.swing.*;
public class CBE
 {
JFrame f;
CBE(){
f=new JFrame("ComboEx");
String dir[]={"gkp","lko","ndls","umb","kag"};
JComboBox cb=new JComboBox(dir);
cb.setBounds(50, 50,90,20);
f.add(cb);
f.setLayout(null);
f.setSize(400,500);
f.setVisible(true);
}
public static void main(String[] args)
{
new CBE();
}
}
}
```

8)JMenuItem:

A menu is a group of commands located in a menubar. A toolbar has buttons with some common commands in the application.

```java
import javax.swing.*;
class MenuEx
{
JMenu menu, submenu;
JMenuItem i1, i2, i3, i4, i5;
MenuEx(){
JFrame f= new JFrame("Menu and MenuItem Example");
JMenuBar mb=new JMenuBar();
menu=new JMenu("Menu");
submenu=new JMenu("Sub Menu");
i1=new JMenuItem("file");
i2=new JMenuItem("new ");
i3=new JMenuItem("open");
i4=new JMenuItem("save");
i5=new JMenuItem("save as");
menu.add(i1);
menu.add(i2);
menu.add(i3);
submenu.add(i4);
submenu.add(i5);
menu.add(submenu);
mb.add(menu);
f.setJMenuBar(mb);
f.setSize(400,400);
f.setLayout(null);
f.setVisible(true);
}
public static void main(String args[])
{
new MenuEx();
}}
```

Login Form in Swing Example:

```java
import javax.swing.*;
import java.awt.*;

public class LoginForm extends JFrame {
    JLabel l1, l2, l3;
    JTextField tf1, tf2;
    JButton btn1;
    JPasswordField p1;
    LoginForm()  {
        setVisible(true);
        setSize(700, 700);
        setLayout(null);
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setTitle("Login Form in Java");
        l1 = new JLabel("Login Form in Swing:");
        l1.setForeground(Color.red);
        l1.setFont(new Font("Serif", Font.BOLD, 20));
        l2 = new JLabel("Name:");
        l3 = new JLabel("Email-ID:");
        tf1 = new JTextField();
        tf2 = new JTextField();
        btn1 = new JButton("Submit");
        l1.setBounds(100, 30, 400, 30);
        l2.setBounds(80, 70, 200, 30);
        l3.setBounds(80, 110, 200, 30);
        tf1.setBounds(300, 70, 200, 30);
        tf2.setBounds(300, 110, 200, 30);
        btn1.setBounds(300, 150, 100, 30);
        add(l1);
        add(l2);
        add(tf1);
        add(l3);
        add(tf2);
        add(btn1);
    }
    public static void main(String args[])
    {
        new LoginForm();
    }
}
```