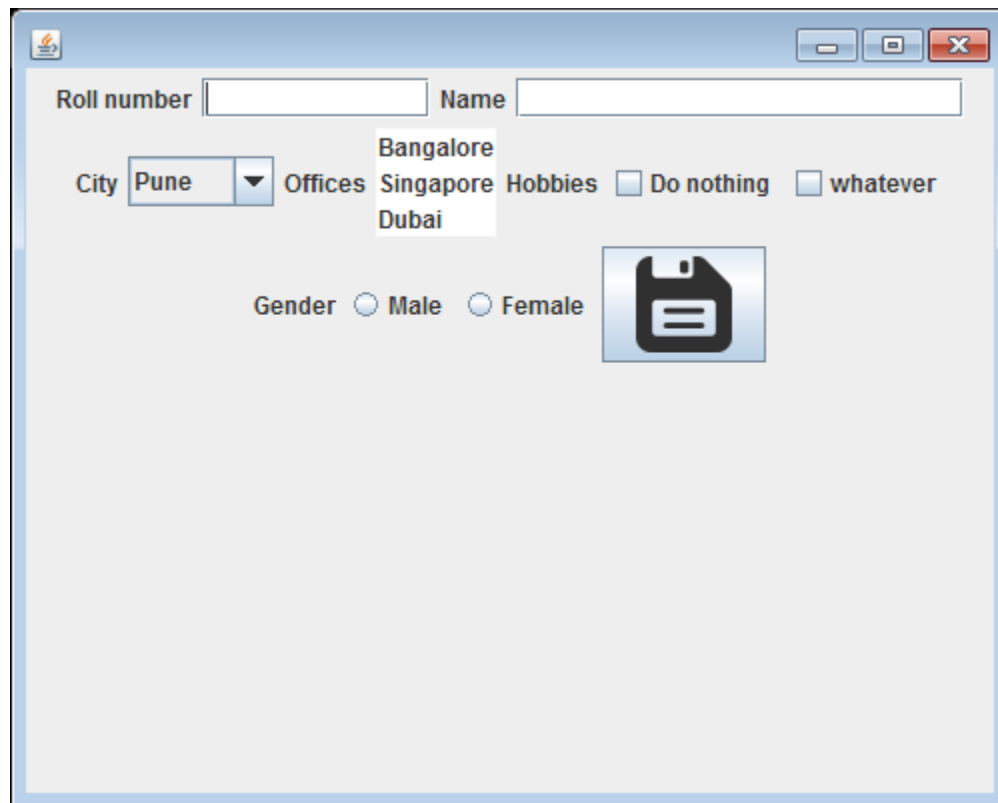```
import javax.swing.*;
import java.awt.*;
import java.util.*;
class swing1 extends JFrame
{
private JLabel label1,label2,label3,label4,label5,label6;
private JTextField rollNumber,name;
private JComboBox city;
private JCheckBox c1,c2;
private JRadioButton r1,r2;
private ButtonGroup bg;
private JList offices;
private JButton saveButton;
private Container c;

swing1()
{
c=getContentPane(); // get the address of the container on which we will be placing our compopnets
c.setLayout(new FlowLayout());
label1=new JLabel("Roll number");
label2=new JLabel("Name");
label3=new JLabel("City");
label4=new JLabel("Hobbies");
label5=new JLabel("Gender");
label6=new JLabel("Offices");
rollNumber=new JTextField(10);
name=new JTextField(20);
city=new JComboBox();
city.addItem("Pune");
city.addItem("Mumbai");
city.addItem("Ujjain");
c1=new JCheckBox("Do nothing");
c2=new JCheckBox("whatever");
r1=new JRadioButton("Male");
r2=new JRadioButton("Female");
bg=new ButtonGroup();
bg.add(r1);
bg.add(r2);
Vector v=new Vector();
v.add("Bangalore");
v.add("Singapore");
v.add("Dubai");
offices=new JList(v);
ImageIcon i=new ImageIcon("save.png"); // save.png is in working folder
saveButton=new JButton(i);
c.add(label1);
c.add(rollNumber);
```

```
c.add(label2);
c.add(name);
c.add(label3);
c.add(city);
c.add(label6);
c.add(offices);
c.add(label4);
c.add(c1);
c.add(c2);
c.add(label5);
c.add(r1);
c.add(r2);
c.add(saveButton);
setDefaultCloseOperation(EXIT_ON_CLOSE);
setSize(500,400);
Dimension d=Toolkit.getDefaultToolkit().getScreenSize();
setLocation(d.width/2-250,d.height/2-200);
setVisible(true);
}
public static void main(String g[])
{
swing1 s=new swing1();
}
```
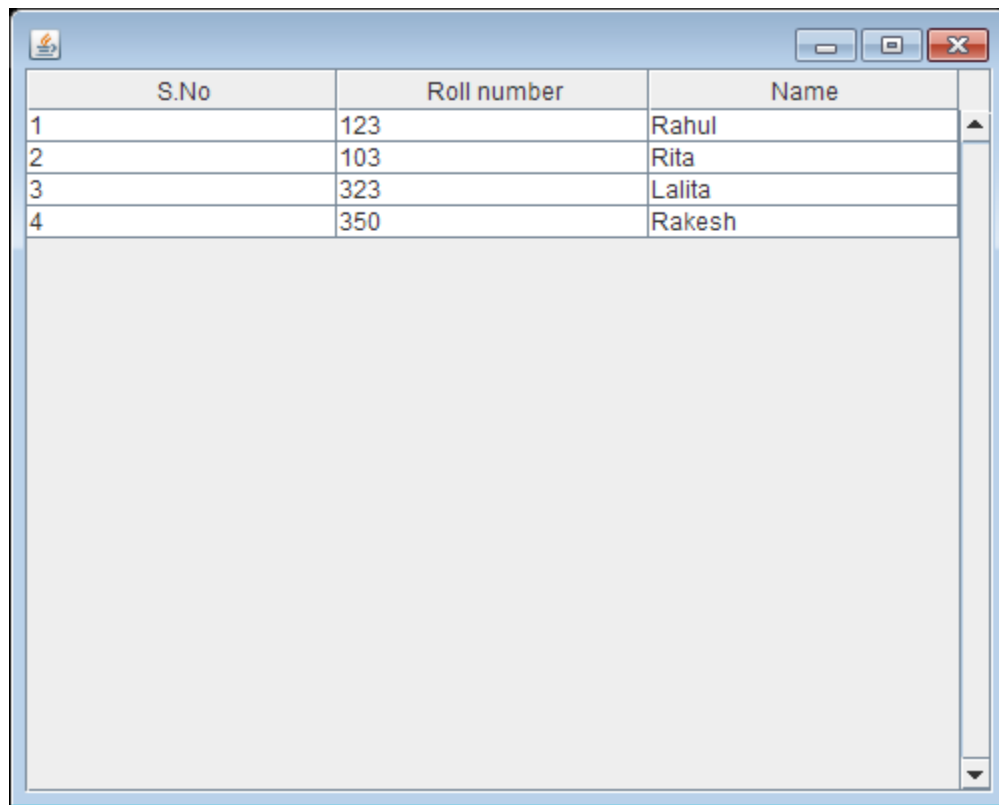


```
}
```

Example 2

```java
import javax.swing.*;
import java.awt.*;
import java.util.*;
class swing2 extends JFrame
{
private Container c;
private JTable table;
private JScrollPane jsp;
private String[] title={"S.No","Roll number","Name"};
private Object[][] data;
swing2()
{
data=new Object[4][3];
data[0][0]=new Integer(1);
data[0][1]=123; // Autoboxing
data[0][2]="Rahul";
data[1][0]=new Integer(2);
data[1][1]=103; // Autoboxing
data[1][2]="Rita";
data[2][0]=new Integer(3);
data[2][1]=323; // Autoboxing
data[2][2]="Lalita";
data[3][0]=new Integer(4);
data[3][1]=350; // Autoboxing
data[3][2]="Rakesh";
table=new JTable(data,title);
jsp=new
JScrollPane(table,ScrollPaneConstants.VERTICAL_SCROLLBAR_ALWAYS,ScrollPaneConstants.H
ORIZONTAL_SCROLLBAR_AS_NEEDED);
c=getContentPane(); // get the address of the container on which we will be placing our compopnets
c.setLayout(new BorderLayout());
c.add(jsp,BorderLayout.CENTER);
setDefaultCloseOperation(EXIT_ON_CLOSE);
setSize(500,400);
Dimension d=Toolkit.getDefaultToolkit().getScreenSize();
setLocation(d.width/2-250,d.height/2-200);
setVisible(true);
}
public static void main(String g[])
{
swing2 s=new swing2();
}
}
```
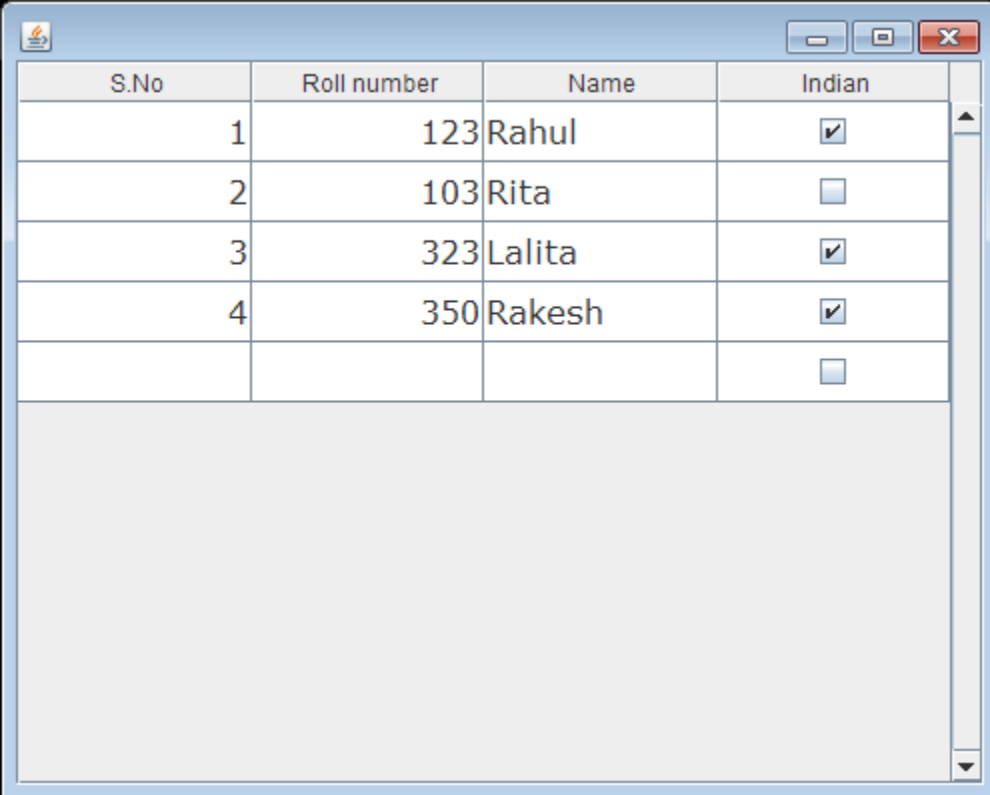
Example 3

```
import javax.swing.*;
import java.awt.*;
import java.util.*;
import javax.swing.table.*;
class MyModel extends AbstractTableModel
{
private String[] title={"S.No","Roll number","Name","Indian"};
private Object[][] data;
MyModel()
{
data=new Object[5][4];
data[0][0]=new Integer(1);
data[0][1]=123; // Autoboxing
data[0][2]="Rahul";
data[0][3]=true;
data[1][0]=new Integer(2);
data[1][1]=103; // Autoboxing
data[1][2]="Rita";
data[1][3]=false;
data[2][0]=new Integer(3);
data[2][1]=323; // Autoboxing
data[2][2]="Lalita";
data[2][3]=true;
```

```
data[3][0]=new Integer(4);
data[3][1]=350; // Autoboxing
data[3][2]="Rakesh";
data[3][3]=true;
}
public int getColumnCount()
{
return title.length;
}
public String getColumnName(int columnIndex)
{
return title[columnIndex];
}
public int getRowCount()
{
return data.length;
}
public boolean isCellEditable(int rowIndex,int columnIndex)
{
if(columnIndex==3) return true;
return false;
}
public Object getValueAt(int rowIndex,int columnIndex)
{
return data[rowIndex][columnIndex];
}
public Class getColumnClass(int columnIndex)
{
Class c=null;
try
{
if(columnIndex==0 || columnIndex==1)
{
c=Class.forName("java.lang.Integer");
}
if(columnIndex==2)
{
c=Class.forName("java.lang.String");
}
if(columnIndex==3)
{
c=Class.forName("java.lang.Boolean");
}
}catch(ClassNotFoundException cnfe)
{
}
return c;
```

```
}
public void setValueAt(Object d,int rowIndex,int columnIndex)
{
data[rowIndex][columnIndex]=d;
}
}
class swing3 extends JFrame
{
private Container c;
private JTable table;
private JScrollPane jsp;
private MyModel m;
swing3()
{
m=new MyModel();
table=new JTable(m);
Font f=new Font("Verdana",Font.PLAIN,16);
table.setFont(f);
table.setRowHeight(30);
jsp=new
JScrollPane(table,ScrollPaneConstants.VERTICAL_SCROLLBAR_ALWAYS,ScrollPaneConstants.H
ORIZONTAL_SCROLLBAR_AS_NEEDED);
c=getContentPane(); // get the address of the container on which we will be placing our compopnets
c.setLayout(new BorderLayout());
c.add(jsp,BorderLayout.CENTER);
setDefaultCloseOperation(EXIT_ON_CLOSE);
setSize(500,400);
Dimension d=Toolkit.getDefaultToolkit().getScreenSize();
setLocation(d.width/2-250,d.height/2-200);
setVisible(true);
}
public static void main(String g[])
{
swing3 s=new swing3();
}
}
```

S.No	Roll number	Name	Indian
1	123	Rahul	☑
2	103	Rita	☐
3	323	Lalita	☑
4	350	Rakesh	☑
			☐