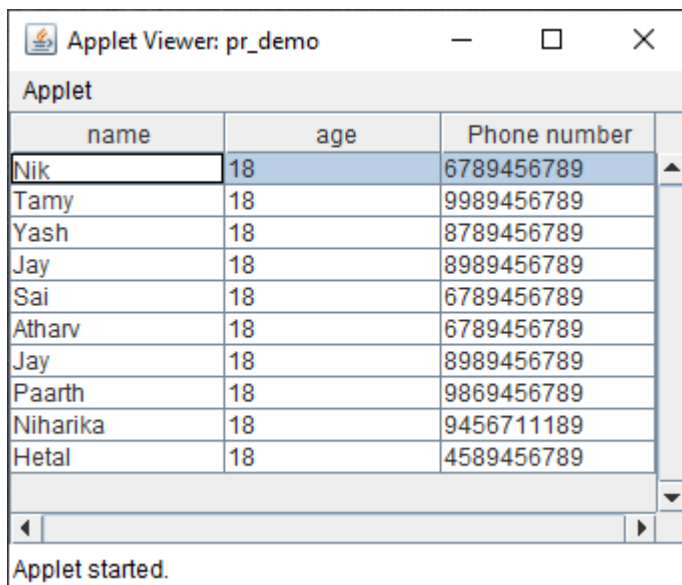


Practical No. 8: Write a program to create a JTable

8.1 Develop a program to demonstrate the use of JTable.

```
import java.awt.*;
import java.applet.*;
import javax.swing.*;
public class pr_demo extends JApplet
{
    public void init()
    {
        Container c = getContentPane();
        c.setLayout(new BorderLayout());
        String colhead [] = {"name", "age", "Phone number"};
        Object data [][] = {{"Nik", "18", "6789456789"}, {"Tamy", "18", "9989456789"}, {"Yash",
        "18", "8789456789"}, {"Jay", "18", "8989456789"}, {"Sai", "18", "6789456789"}, {"Atharv",
        "18", "6789456789"}, {"Jay", "18", "8989456789"}, {"Paarth",
        "18", "9869456789"}, {"Niharika", "18", "9456711189"}, {"Hetal", "18", "4589456789"}};
        JTable jt = new JTable(data, colhead);
        int vsb = ScrollPaneConstants.VERTICAL_SCROLLBAR_ALWAYS;
        int hsb = ScrollPaneConstants.HORIZONTAL_SCROLLBAR_ALWAYS;
        JScrollPane JSP = new JScrollPane(jt, vsb, hsb);
        c.add(JSP, BorderLayout.CENTER);
    }
}
/*<applet code="pr_demo" width=500 height=500>
</applet>*/
```

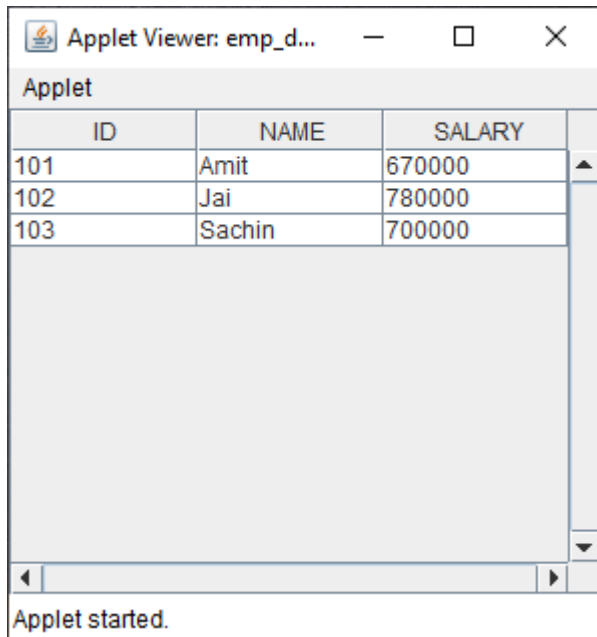


name	age	Phone number
Nik	18	6789456789
Tamy	18	9989456789
Yash	18	8789456789
Jay	18	8989456789
Sai	18	6789456789
Atharv	18	6789456789
Jay	18	8989456789
Paarth	18	9869456789
Niharika	18	9456711189
Hetal	18	4589456789

Applet started.

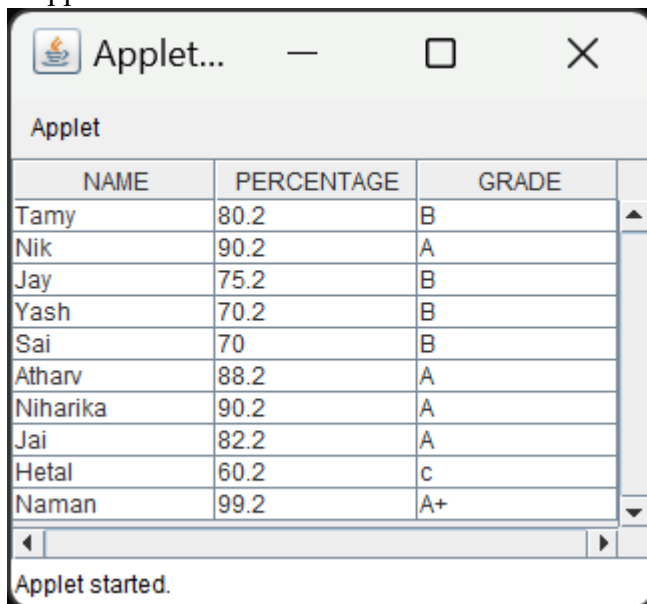
8. 2. Write a program code to generate the following output

```
import java.awt.*;
import java.applet.*;
import javax.swing.*;
public class emp_demo extends JApplet
{
    public void init()
    {
        Container c = getContentPane();
        c.setLayout(new BorderLayout());
        String colhead [] = {"ID","NAME","SALARY"};
        Object data [][] = {{"101" ,"Amit","670000"}, {"102" ,"Jai","780000"}, {"103"
        ,"Sachin","700000"}};
        JTable jt = new JTable(data,colhead);
        int vsb = ScrollPaneConstants.VERTICAL_SCROLLBAR_ALWAYS;
        int hsb = ScrollPaneConstants.HORIZONTAL_SCROLLBAR_ALWAYS;
        JScrollPane JSP = new JScrollPane(jt,vsb,hsb);
        c.add(JSP,BorderLayout.CENTER);
    }
}
/*<applet code="emp_demo" width=500 height=500>
</applet>*/
```



8.3 Write a Java program to create a table of Name of Student, Percentage and Grade of 10 students using JTable.

```
import java.awt.*;
import java.applet.*;
import javax.swing.*;
public class stu_demo extends JApplet
{
    public void init()
    {
        Container c = getContentPane();
        c.setLayout(new BorderLayout());
        String colhead [] = {"NAME","PERCENTAGE","GRADE"};
        Object data [] [] = { {"Tamy" ,"80.2","B"}, {"Nik" ,"90.2","A"}, {"Jay" ,"75.2","B"}, {"Yash"
        ,"70.2","B"}, {"Sai" ,"70","B"}, {"Atharv" ,"88.2","A"}, {"Niharika" ,"90.2","A"}, {"Jai"
        ,"82.2","A"}, {"Hetal" ,"60.2","c"}, {"Naman" ,"99.2","A+"}};
        JTable jt = new JTable(data,colhead);
        int vsb = ScrollPaneConstants.VERTICAL_SCROLLBAR_ALWAYS;
        int hsb = ScrollPaneConstants.HORIZONTAL_SCROLLBAR_ALWAYS;
        JScrollPane JSP = new JScrollPane(jt,vsb,hsb);
        c.add(JSP,BorderLayout.CENTER);
    }
}
/*<applet code="stu_demo" width=500 height=500>
</applet>*/
```



The screenshot shows a Java Applet window titled "Applet...". Inside the window, there is a table with three columns: "NAME", "PERCENTAGE", and "GRADE". The table contains 10 rows of student data. Below the table, there is a status bar that says "Applet started.".

NAME	PERCENTAGE	GRADE
Tamy	80.2	B
Nik	90.2	A
Jay	75.2	B
Yash	70.2	B
Sai	70	B
Atharv	88.2	A
Niharika	90.2	A
Jai	82.2	A
Hetal	60.2	c
Naman	99.2	A+