# Java JTable

The JTable class is used to display data in tabular form. It is composed of rows and columns.

### JTable class declaration

Let's see the declaration for javax.swing.JTable class.

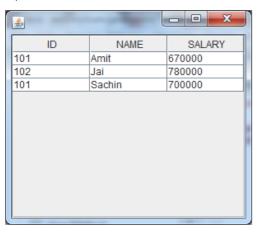
#### Commonly used Constructors:

| Constructor                               | Description                              |
|---|--|
| JTable()                                  | Creates a table with empty cells.        |
| JTable(Object[][] rows, Object[] columns) | Creates a table with the specified data. |

# Java JTable Example

```
import javax.swing.*;
public class TableExample {
  JFrame f;
   TableExample(){
  f=new JFrame();
   String data[][]={ {"101", "Amit", "670000"},
                {"102", "Jai", "780000"},
                {"101", "Sachin", "700000"}};
   String column[]={"ID","NAME","SALARY"};
   JTable jt=new JTable(data,column);
  jt.setBounds(30,40,200,300);
  JScrollPane sp=new JScrollPane(jt);
  f.add(sp);
  f.setSize(300,400);
  f.setVisible(true);
}
public static void main(String[] args) {
   new TableExample();
}
}
```

Output:



# Java JTable Example with ListSelectionListener

```
import javax.swing.*;
  import javax.swing.event.*;
  public class TableExample {
      public static void main(String[] a) {
          JFrame f = new JFrame("Table Example");
          String data[][]={ {"101", "Amit", "670000"},
                                                {"102", "Jai", "780000"},
                                                {"101", "Sachin", "700000"}};
                    String column[]={"ID","NAME","SALARY"};
                    final JTable jt=new JTable(data,column);
         jt.setCellSelectionEnabled(true);
          ListSelectionModel select= jt.getSelectionModel();
          select.set Selection Mode (List Selection Model. SINGLE\_SELECTION);
          select.addListSelectionListener(new ListSelectionListener() {
           public void valueChanged(ListSelectionEvent e) {
            String Data = null;
            int[] row = jt.getSelectedRows();
            int[] columns = jt.getSelectedColumns();
            for (int i = 0; i < row.length; i++) {
                      i = 0; j < columns.length; <math>j++) {
⊕ SCROLL TO TOP
                      (String) jt.getValueAt(row[i], columns[j]);
```