

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:

ID	NAME	SALARY
101	Amit	670000
102	Jai	780000
101	Sachin	700000

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.setSelectionMode(ListSelectionModel.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; j++) {
                        (String) jt.getValueAt(row[i], columns[j]);
                    }
                }
            }
        });
    }
}
```

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