

```
1 package a2223330168_PA_Tareas;
2 import java.awt.BorderLayout;
3 import java.awt.event.ActionEvent;
4 import java.awt.event.ActionListener;
5 import java.sql.Connection;
6 import java.sql.DatabaseMetaData;
7 import java.sql.DriverManager;
8 import java.sql.ResultSet;
9 import java.sql.ResultSetMetaData;
10 import java.sql.SQLException;
11 import java.sql.Statement;
12 import javax.swing.JComboBox;
13 import javax.swing.JFrame;
14 import javax.swing.JPanel;
15 import javax.swing.JScrollPane;
16 import javax.swing.JTable;
17 import javax.swing.table.AbstractTableModel;
18
19 public class TablaProductos {
20
21     public static void main(String[] args) {
22         JFrame mimarco=new MarcoProductos();
```

```
23         mimarco.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
24         mimarco.setVisible(true);
25     }
26 }
27
28 class MarcoProductos extends JFrame{
29     public MarcoProductos() {
30         setTitle("Productos");
31         setBounds(500,300,800,400);
32         JPanel superior=new JPanel();
33         nombresDeTablas=new JComboBox();
34         try {
35             miconexion=DriverManager.getConnection("jdbc:mysql:
//localhost:3306/curso_sql", "root", "");
36             datosBBDD=miconexion.getMetaData();
37             rs=datosBBDD.getTables(null, null, null, null);
38             while(rs.next()) {
39                 nombresDeTablas.addItem(rs.getString("Table
Name"));
40             }
41         } catch (Exception e) {
42             e.printStackTrace();
```

```
43     }
44     nombresDeTablas.addActionListener(new ActionListener() {
45
46         @Override
47         public void actionPerformed(ActionEvent e) {
48             String tablaSeleccionada=(String)
nombresDeTablas.getSelectedItem();
49             String consulta="SELECT * FROM
"+tablaSeleccionada;
50             try {
51
52                 sentencia=miconexion.createStatement();
53                 rs=sentencia.executeQuery(consulta);
54                 /*while(rs.next()) {
55                     System.out.println(rs.getString
("NOMBRESRTICULO")+ " "+rs.getString("CODIGOARTICULO"));
56                 }*/
57
58                 modelo=new ResultSetModeloTabla(rs);
59                 JTable tabla= new JTable(modelo);
60                 add(new JScrollPane
(tabla),BorderLayout.CENTER);
```

```
61         validate();
62
63         } catch (Exception e2) {
64             e2.printStackTrace();
65         }
66     }
67 });
68     superior.add(nombresDeTablas);
69     add(superior, BorderLayout.NORTH);
70 }
71 private JComboBox nombresDeTablas;
72 private DatabaseMetaData datosBBDD;
73 private ResultSet rs;
74 private Connection miconexion;
75 private Statement sentencia;
76 private ResultSetModeloTabla modelo;
77 }
78
79 class ResultSetModeloTabla extends AbstractTableModel{
80
81     public ResultSetModeloTabla(ResultSet unResultSet) {
82
```

```
83         rsRegistros=unResultSet;
84
85         try {
86             resmd=rsRegistros.getMetaData();
87         } catch (SQLException e) {
88             // TODO Auto-generated catch block
89             e.printStackTrace();
90         }
91     }
92
93     @Override
94     public int getRowCount() {
95         // TODO Auto-generated method stub
96         try {
97             rsRegistros.last();
98             return rsRegistros.getRow();
99         } catch (SQLException e) {
100             // TODO Auto-generated catch block
101             e.printStackTrace();
102
103             return 0;
104         }
```

```
105     }
106
107     @Override
108     public int getColumnCount() {
109         // TODO Auto-generated method stub
110         try {
111             return resmd.getColumnCount();
112         } catch (SQLException e) {
113             // TODO Auto-generated catch block
114             e.printStackTrace();
115
116             return 0;
117         }
118     }
119
120     @Override
121     public Object getValueAt(int arg0, int arg1) {
122         // TODO Auto-generated method stub
123         try {
124             rsRegistros.absolute(arg0+1);
125             return rsRegistros.getObject(arg1+1);
126         } catch (Exception e) {
```

```
127         e.printStackTrace();
128
129         return null;
130     }
131 }
132
133 public String getColumnName(int c) {
134     try {
135         return resmd.getColumnName(c+1);
136     } catch (Exception e) {
137         e.printStackTrace();
138         return null;
139     }
140 }
141 private ResultSet rsRegistros;
142 private ResultSetMetaData resmd;
143 }
144
145
146
```