

```
1 package com.jtc.preparedStatement;
2
3 import java.sql.Connection;
4 import java.sql.DriverManager;
5 import java.sql.PreparedStatement;
6 import java.sql.ResultSet;
7
8 public class PreparedStatement_sql {
9     public static void main(String[] args) {
10         Connection con = null;
11         PreparedStatement ps = null;
12         ResultSet rs = null;
13         try {
14             /*int id = Integer.parseInt(args[0]);
15             String name = args[1];
16             int phone = Integer.parseInt(args[2]);
17             String city = args[3];*/
18
19             Class.forName("com.mysql.cj.jdbc.Driver");
20             con = DriverManager.getConnection("jdbc:mysql://localhost:3306/demo",
21                 "root", "Mysql@1234");
22             // String sql = "insert into student values(?,?,?,?)";
23             // ps = con.prepareStatement(sql);
24
25             String sql1 = "select * from student";
26             ps = con.prepareStatement(sql1);
27             rs = ps.executeQuery();
28
29             while(rs.next()) {
30                 int ids = rs.getInt("id");
31                 String names = rs.getString("name");
32                 int phones = rs.getInt("phone");
33                 String cities = rs.getString("city");
34                 System.out.println(ids+"\t"+names+"\t"+phones+"\t"+cities);
35             }
36
37             /*ps.setInt(1, id);
38             ps.setString(2, name);
39             ps.setInt(3, phone);
40             ps.setString(4, city);
41
42             int i = ps.executeUpdate();
43             System.out.println(i);*/
44         } catch (Exception e) {
45             e.printStackTrace();
46         } finally {
47             try {
48                 if (con != null)
49                     con.close();
50                 if (ps != null)
```

```
51         ps.close();
52         if(rs != null)
53             rs.close();
54     } catch (Exception e2) {
55         e2.printStackTrace();
56     }
57 }
58 }
59 }
```

```
1 package com.jtc.preparedStatement;
2
3 import java.sql.Connection;
4 import java.sql.DriverManager;
5 import java.sql.PreparedStatement;
6 import java.sql.ResultSet;
7
8 public class PreparedStatement_sql_int_int {
9     public static void main(String[] args) {
10         Connection con = null;
11         PreparedStatement ps = null;
12         ResultSet rs = null;
13         try {
14             Class.forName("com.mysql.cj.jdbc.Driver");
15             con = DriverManager.getConnection("jdbc:mysql://localhost:3306/demo",
16                 "root", "Mysql@1234");
17
18             String sql = "select * from student";
19             ps = con.prepareStatement(sql, ResultSet.TYPE_SCROLL_INSENSITIVE,
20                 ResultSet.CONCUR_UPDATABLE);
21             rs = ps.executeQuery();
22
23             int id = 102;
24             String city = "America";
25
26             while (rs.next()) {
27                 if (rs.getInt("id") == id) {
28                     rs.updateString("city", city);
29                     rs.updateRow();
30                     break;
31                 }
32             }
33         } catch (Exception e) {
34             e.printStackTrace();
35         } finally {
36             try {
37                 if (con != null)
38                     con.close();
39                 if (ps != null)
40                     ps.close();
41                 if (rs != null)
42                     rs.close();
43             } catch (Exception e2) {
44                 e2.printStackTrace();
45             }
46         }
47     }
48 }
49
```

```
1 package com.jtc.preparedStatement_batchupdate;
2
3 import java.sql.Connection;
4 import java.sql.DriverManager;
5 import java.sql.PreparedStatement;
6
7 public class PreparedStatement_BatchUpdate {
8     public static void main(String[] args) {
9         Connection con = null;
10        PreparedStatement ps =null;
11        Object object[][] = {{107, "Apple", 934532, "America"},
12        {108, "Ball", 46834236, "Ballarpur"},
13        {109, "Cat", 80247893, "California"},
14        {110, "Dog", 68795198, "Darjeeling"}};
15
16        try {
17            Class.forName("oracle.jdbc.driver.OracleDriver");
18            con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE",
19            "sys as sysdba", "Myoracle@1234");
20            String sql = "insert into student values(?,?,?,?)";
21            ps = con.prepareStatement(sql);
22            for(Object [] obj : object) {
23                ps.setInt(1, (int)obj[0]);
24                ps.setString(2, (String)obj[1]);
25                ps.setInt(3, (int)obj[2]);
26                ps.setString(4, (String)obj[3]);
27                ps.addBatch();
28            }
29            int[] i = ps.executeBatch();
30            for(int ii :i) {
31                System.out.println(ii);
32            }
33
34        } catch (Exception e) {
35            e.printStackTrace();
36        }finally {
37            try {
38                if(con != null)
39                    con.close();
40                if(ps != null)
41                    ps.close();
42            } catch (Exception e2) {
43                e2.printStackTrace();
44            }
45        }
46    }
47 }
48
```