```
// usage:  1. compile: javac mydemo1.java
//         2. execute: java mydemo1
import java.sql.*;
import oracle.jdbc.*;
import java.math.*;
import java.io.*;
import java.awt.*;
import oracle.jdbc.pool.OracleDataSource;

public class mydemo1 {

    public static void main (String args []) throws SQLException {
     try
     {

        //Connection to Oracle server. Need to replace username and
        //password by your username and your password. For security
        //consideration, it's better to read them in from keyboard.
        OracleDataSource ds = new oracle.jdbc.pool.OracleDataSource();
        ds.setURL("jdbc:oracle:thin:@castor.cc.binghamton.edu:1521:acad111");
        Connection conn = ds.getConnection("username", "password");

        // Query
        Statement stmt = conn.createStatement ();

        // Save result
          ResultSet rset;
          rset = stmt.executeQuery ("SELECT * FROM students2");

        // Print
        while (rset.next ()) {
           System.out.print (rset.getString (1)+"  ");
           System.out.print (rset.getString (2)+"  ");
           System.out.print (rset.getString (3)+"  ");
           System.out.print (rset.getString (4)+"  ");
           System.out.print (rset.getString (5)+"  ");
           System.out.println (rset.getString (6)+"  ");
        }

        //update
        String updateString = "UPDATE students2 SET status = 'senior' WHERE sid = 'B001'";
        stmt.executeUpdate(updateString);

        //Insert
        PreparedStatement insert = conn.prepareStatement("INSERT into students2
VALUES(?,?,?,?,?,?)");

        //Input sid from keyboard
          BufferedReader  readKeyBoard;
          String          sid;
          readKeyBoard = new BufferedReader(new InputStreamReader(System.in));
          System.out.print("Please enter SID:");
          sid = readKeyBoard.readLine();
          insert.setString(1, sid);

        //Input other values
          insert.setString(2, "Mark");
          insert.setString(3, "Twin");
          insert.setString(4, "freshman");
          insert.setDouble(5, 3.5);
          insert.setString(6, "mtwin2@bu.edu");

        // execute the update
          insert.executeUpdate();
```

```
      //Query again.
        rset = stmt.executeQuery ("SELECT * FROM students2");

      // Print
      while (rset.next ()) {
         System.out.print (rset.getString (1)+"  ");
         System.out.print (rset.getString (2)+"  ");
         System.out.print (rset.getString (3)+"  ");
         System.out.print (rset.getString (4)+"  ");
         System.out.print (rset.getString (5)+"  ");
         System.out.println (rset.getString (6)+"  ");
      }

      //close the result set, statement, and the connection
      rset.close();
      stmt.close();
      conn.close();
    }
    catch (SQLException ex) { System.out.println ("\n*** SQLException caught ***\n");}
    catch (Exception e) {System.out.println ("\n*** other Exception caught ***\n");}
  }
}
```