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//Illustrate call stored procedure
import java.sql.*;
import oracle.jdbc.*;
import java.math.*;
import java.io.*;
import java.awt.*;
import oracle.jdbc.pool.OracleDataSource;

public class mydemo2 {

    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");

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

            //Prepare to call stored procedure:
            // create or replace procedure show_status (sid_in in students2.sid%type,
            //                                     status_out out students2.status%type) is
            // begin select status into status_out from students2 where sid = sid_in;
            // end;
            CallableStatement cs = conn.prepareCall("begin show_status(:1,:2); end;");

            //set the in parameter (the first parameter)
            cs.setString(1, sid);

            //register the out parameter (the second parameter)
            cs.registerOutParameter(2, Types.VARCHAR);

            //execute the stored procedure
            cs.executeQuery();

            //get the out parameter result.
            String status = cs.getString(2);
            System.out.println(sid+" : "+status);

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