import java.sql.\*;

public class JdbcDemo1 {

public static void main(String[] args) {

Connection con = null;

Statement st = null;

ResultSet rs = null;

try {

// Step 1: Load JDBC driver

Class.forName("oracle.jdbc.OracleDriver");

// Step 2: Establish connection

con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:9501/XE", "system", "rps@123");

System.out.println("Connection is successful.");

// Step 3: Create statement

st = con.createStatement();

// Step 4: Execute SQL queries

st.executeUpdate("create table product(id number primary key,name varchar(10),price number)");

st.executeUpdate("insert into product values(4,'bag',999)");

st.executeUpdate("insert into product values(5,'book',1999)");

st.executeUpdate("insert into product values(6,'table',2999)");

st.executeUpdate("update product set price =2000 where id=4");

st.executeUpdate("delete from product where id=5");

System.out.println("Table created, data inserted, updated, and deleted.");

// Step 5: Execute query to retrieve data

rs = st.executeQuery("select \* from product");

// Step 6: Process the result set

while (rs.next()) {

System.out.println(rs.getString(1) + " " + rs.getString(2) + " " + rs.getString(3));

}

} catch (ClassNotFoundException | SQLException e) {

e.printStackTrace();

} finally {

// Step 7: Close resources in reverse order of creation

try {

if (rs != null) {

rs.close();

}

if (st != null) {

st.close();

}

if (con != null) {

con.close();

System.out.println("Connection closed.");

}

} catch (SQLException e) {

e.printStackTrace();

}

}

}

}