

JDBC Task 27-05

Create a table, insert new records, delete a existing record and retrive the table.

Solution:

```
package com.wipro;

import java.sql.*;

public class JdbcPractise {

    public void TableCreate(Statement s) throws
        SQLSyntaxErrorException, SQLException, ClassNotFoundException {

        s.executeUpdate("create table Product(id number primary key,name
        varchar(15),price number)");
        System.out.println("Table Created Successfully");
        System.out.println();
    }

    public void TableUpdate(Statement s) throws
        SQLSyntaxErrorException, SQLException, ClassNotFoundException{
        s.executeUpdate("insert into Product values(1,'Mobile',20000)");
        s.executeUpdate("insert into Product values(2,'Laptop',50000)");
        s.executeUpdate("insert into Product values(3,'Tab',30000)");
        System.out.println("Inserted Successfully");
        System.out.println();
    }

    public void TableDelete(Statement s) throws
        SQLSyntaxErrorException, SQLException, ClassNotFoundException{
        s.executeUpdate("delete from Product where price = 30000");
        System.out.println("Record Deleted Successfully");
        System.out.println();
    }

    public void TableRetrive(Statement s) throws
        SQLSyntaxErrorException, SQLException, ClassNotFoundException{

        ResultSet rs=s.executeQuery("Select * from Product");
        ResultSetMetaData rms =rs.getMetaData();
        for(int i=1; i<=rms.getColumnCount(); i++) {
            System.out.print(rms.getColumnName(i) + " ");
        }
        System.out.println();
        while(rs.next()) {
            System.out.println(rs.getString(1)+" "+rs.getString(2)+"
            "+rs.getString(3));
        }
    }
}
```

```

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

    Class.forName("oracle.jdbc.OracleDriver");
    Connection con=DriverManager.getConnection("jdbc:oracle:thin:
    @localhost:9501/XE","system","rps@123");
    Statement s =con.createStatement();
    JdbcPractise JP = new JdbcPractise();
    JP.TableCreate(s);
    JP.TableUpdate(s);
    JP.TableDelete(s);
    JP.TableRetrive(s);

    con.close();

}
}

```

OUTPUT:

The screenshot shows the Eclipse IDE interface with the console window open. The console output displays the following messages:

```

<terminated> JdbcPractise [Java Application] /snap/eclipse/87/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.linux.x86_64_17.0.10.v20240120-1143/jre/bin/java (27-May-2024, 6:17:
Table Created Successfully

Inserted Successfully

Record Deleted Successfully

ID NAME PRICE
1 Mobile 20000
2 Laptop 50000

```

The table output shows two records:

ID	NAME	PRICE
1	Mobile	20000
2	Laptop	50000