JDBC

M K

```
mysql> CREATE TABLE PRODUCT
    -> (
    -> PNO INT,
    -> PNAME VARCHAR(30) ,
    -> PPRICE INT,
    -> PQUANTITY DOUBLE,
    -> PCODE CHAR
    -> );
Query OK, 0 rows affected (1.33 sec)

mysql> INSERT INTO PRODUCT(PNO,PNAME,PPRICE,PQUANTITY,PCODE) VALUES
    -> (1,'LAPTOP',35000,2,'L'),
    -> (2,'MOBILE',26000,1,'M'),
    -> (3,'BOOKS',1500,5,'B'),
    -> (4,'TABLES',2000,2,'T'),
    -> (5,'CHAIRS',1000,4,'C');
Query OK, 5 rows affected (0.22 sec)
Records: 5  Duplicates: 0  Warnings: 0
```

```
mysql> SELECT * FROM PRODUCT;
+------+--------+--------+-----------+-------+
| PNO  | PNAME  | PPRICE | PQUANTITY | PCODE |
+------+--------+--------+-----------+-------+
|    1 | LAPTOP |  35000 |         2 | L     |
|    2 | MOBILE |  26000 |         1 | M     |
|    3 | BOOKS  |   1500 |         5 | B     |
|    4 | TABLES |   2000 |         2 | T     |
|    5 | CHAIRS |   1000 |         4 | C     |
+------+--------+--------+-----------+-------+
5 rows in set (0.03 sec)
```

```java
6  public class Example1
7  {
8●     public static void main(String[] args) throws Exception
9      {
10
11         Class.forName("com.mysql.cj.jdbc.Driver");
12         Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/codinghub","root", "root");
13         String Query="insert into product values(?,?,?,?,?)";
14         PreparedStatement prep=con.prepareStatement(Query);
15         prep.setInt(1,6);
16         prep.setString(2,"Shirt");
17         prep.setInt(3, 750);
18         prep.setDouble(4,4);;
19         prep.setString(5,String.valueOf('S'));
20         System.out.println("NUMBER OF ROWS " + prep.executeUpdate());
21
22     }
23
24 }
```

```java
    public static void main(String[] args) throws Exception
    {
        Class.forName("com.mysql.cj.jdbc.Driver");
        Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/codinghub","root", "root");
        String Query="insert into product values(?,?,?,?,?)";
        PreparedStatement prep=con.prepareStatement(Query);
        Scanner sc=new Scanner(System.in);
        String add;
        do
        {
            System.out.println("ENTER PNO,PNAME,PPRICE,PQUANTITY,PCODE");
            int pno=sc.nextInt();
            String pname=sc.next();
            int pprice=sc.nextInt();
            double pquantity=sc.nextDouble();
            char pcode=sc.next().charAt(0);
            prep.setInt(1,pno);
            prep.setString(2,pname);
            prep.setInt(3, pprice);
            prep.setDouble(4,pquantity);;
            prep.setString(5,String.valueOf(pcode));
            System.out.println("NUMBER OF ROWS " + prep.executeUpdate());
            System.out.println("DO YOU WANT TO INSERT MORE");
            add=sc.next();
        }while(add.equalsIgnoreCase("yes"));
    }
}
```

```
mysql> SELECT * FROM PRODUCT;
+------+-----------+--------+-----------+-------+
| PNO  | PNAME     | PPRICE | PQUANTITY | PCODE |
+------+-----------+--------+-----------+-------+
|    1 | LAPTOP    |  35000 |         2 | L     |
|    2 | MOBILE    |  26000 |         1 | M     |
|    3 | BOOKS     |   1500 |         5 | B     |
|    4 | TABLES    |   2000 |         2 | T     |
|    5 | CHAIRS    |   1000 |         4 | C     |
|    9 | COMPUTERS |  31000 |         3 | C     |
|    9 | COMPUTERS |  31000 |         3 | C     |
|    6 | Shirt     |    750 |         4 | S     |
+------+-----------+--------+-----------+-------+
8 rows in set (0.03 sec)

mysql> SELECT * FROM PRODUCT;
+------+-----------+--------+-----------+-------+
| PNO  | PNAME     | PPRICE | PQUANTITY | PCODE |
+------+-----------+--------+-----------+-------+
|    1 | LAPTOP    |  35000 |         2 | L     |
|    2 | MOBILE    |  26000 |         1 | M     |
|    3 | BOOKS     |   1500 |         5 | B     |
|    4 | TABLES    |   2000 |         2 | T     |
|    5 | CHAIRS    |   1000 |         4 | C     |
|    9 | COMPUTERS |  31000 |         3 | C     |
|    9 | COMPUTERS |  31000 |         3 | C     |
|    6 | Shirt     |    750 |         4 | S     |
|   12 | BOARD     |      1 |      1500 | W     |
|   21 | MOUSE     |    250 |         2 | M     |
|   22 | CHARGER   |    200 |         1 | C     |
+------+-----------+--------+-----------+-------+
11 rows in set (0.00 sec)
```

```java
import java.sql.Connection;

public class Example1
{
    public static void main(String[] args) throws Exception
    {
        String url="jdbc:mysql://localhost:3306/codinghub";
        Class.forName("com.mysql.cj.jdbc.Driver");
        Connection con=DriverManager.getConnection(url,"root", "root");
        String Query="SELECT * FROM PRODUCT WHERE  PNAME=? OR PCODE=?";
        PreparedStatement prep=con.prepareStatement(Query);
        prep.setString(1,"laptop");
        prep.setString(2, String.valueOf('M'));
        ResultSet rs=prep.executeQuery();
        while(rs.next())
        {
            System.out.print(rs.getInt(1)+ " \t");
            System.out.print(rs.getString(2)+ " \t");
            System.out.print(rs.getInt(3)+ " \t");
            System.out.print(rs.getDouble(4)+ " \t");
            System.out.print(rs.getString(5)+ " \t");
            System.out.println();
        }
    }
}
```

Console output:

```
<terminated> Example1 [Java Application] I:\Recommended\java\eclipse\plugins\org
1        LAPTOP   35000    2.0      L
2        MOBILE   26000    1.0      M
21       MOUSE    250      2.0      M
```