**Practical no : 8**

package Document;

import java.sql.\*;

import java.util.\*;

public class mysql {

public static void main(String[] args) {

try {

Class.forName("com.mysql.cj.jdbc.Driver");

Connection con= DriverManager.getConnection("jdbc:mysql://localhost:3306/prerna12","root", "root");

Statement stm=con.createStatement();

/\*String str="CREATE TABLE product (pid INT, pname VARCHAR(30), price float)";

Scanner obj=new Scanner(System.in);

int pid;

String pname;

float price;

System.out.println("enter the value od pid");

pid=obj.nextInt();

System.out.println("enter the value od pname");

pname=obj.next();

System.out.println("enter the value od price");

price = obj.nextFloat();

String str="insert into product values("+pid+", '"+pname+"', "+price+")";

stm.executeUpdate(str);

System.out.println("table is created!");\*/

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

while(rs.next())

{

System.out.println("product pid:"+rs.getInt("pid"));

System.out.println("product pname:" + rs.getString("pname"));

System.out.println("product price:"+rs.getInt("price"));

}

}

catch(Exception e) {

System.out.println(e);

}

}

}

product pid:101

product pname:javabook

product price:890

product pid:102

product pname:python

product price:600

product pid:103

product pname:dotnet

product price:200

product pid:101

product pname:pen

product price:40

package Document;

import java.sql.\*;

import java.util.\*;

public class mysql {

public static void main(String[] args) {

try {

Class.forName("com.mysql.cj.jdbc.Driver");

Connection con= DriverManager.getConnection("jdbc:mysql://localhost:3306/prerna12","root", "root");

Statement stm=con.createStatement();

/\*String str="CREATE TABLE product (pid INT, pname VARCHAR(30), price float)";

Scanner obj=new Scanner(System.in);

int pid;

String pname;

float price;

System.out.println("enter the value od pid");

pid=obj.nextInt();

System.out.println("enter the value od pname");

pname=obj.next();

System.out.println("enter the value od price");

price = obj.nextFloat();

String str="insert into product values("+pid+", '"+pname+"', "+price+")";

stm.executeUpdate(str);

System.out.println("table is created!");\*/

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

while (rs.next()) {

System.out.println("product pid: " + rs.getInt("pid") + ", product pname: " + rs.getString("pname") +", product price: " + rs.getFloat("price"));

}

}

catch(Exception e) {

System.out.println(e);

}

}

}

product pid: 101, product pname: javabook, product price: 890.0

product pid: 102, product pname: python, product price: 600.0

product pid: 103, product pname: dotnet, product price: 200.0

product pid: 101, product pname: pen, product price: 40.0

**switch case program:**

package Document;

import java.sql.\*;

import java.util.Scanner;

public class prerna{

public static void main(String[] args) {

Scanner sc = new Scanner(System.***in***);

Connection con = null;

Statement stmt = null;

ResultSet rs = null;

try {

Class.*forName*("com.mysql.cj.jdbc.Driver");

con = DriverManager.*getConnection*(

"jdbc:mysql://localhost:3306/prerna12", "root", "root");

stmt = con.createStatement();

System.***out***.println("1. View All product");

System.***out***.println("2. Exit");

System.***out***.print("Enter choice: ");

int choice = sc.nextInt();

switch (choice) {

case 1:

rs = stmt.executeQuery("SELECT \* FROM product");

System.***out***.println("product Details:");

while (rs.next()) {

int pid = rs.getInt("pid");

String pname = rs.getString("pname");

float price = rs.getFloat("price");

System.***out***.printf("ID: %d | Name: %s | Price: %.2f\n", pid,

pname != null ? pname : "NULL", price);

}

break;

case 2:

System.***out***.println("Exiting...");

break;

default:

System.***out***.println("Invalid choice.");

}

} catch (Exception e) {

e.printStackTrace();

} finally {

try {

if (rs != null) rs.close();

if (stmt != null) stmt.close();

if (con != null) con.close();

} catch (Exception ex) {

ex.printStackTrace();

}

sc.close();

}

}

}

**Output:**

1. View All product

2. Exit

Enter choice: 1

product Details:

ID: 101 | Name: javabook | Price: 890.00

ID: 102 | Name: python | Price: 600.00

ID: 103 | Name: dotnet | Price: 200.00

ID: 101 | Name: pen | Price: 40.00

mysql> select \* from product;

+------+----------+-------+

| pid | pname | price |

+------+----------+-------+

| 101 | javabook | 890 |

| 102 | python | 600 |

| 103 | dotnet | 200 |

| 101 | pen | 40 |

+------+----------+-------+

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