JDBC PROGRAMS

1)***Write a JDBC program to display the details of employees (eno, ename, department, sal) whose department is BBA[CA].***

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Statement;
import java.sql.ResultSet;
public class Employee {

public static void main(String[] args) {

try {
Class.forName("com.mysql.jdbc.Driver");
Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/b56","root","root");
Statement stmt=con.createStatement();
String sql= "select * from employees where department='BBACA'";

ResultSet rs=stmt.executeQuery(sql);
while(rs.next())
{
System.out.println("\n");
System.out.println("\t" +rs.getInt(1));
System.out.println("\t" +rs.getString(2));
System.out.println("\t" +rs.getString(3));
System.out.println("\t" +rs.getInt(4));
}
}
catch(Exception e) {
System.out.print(e);
}
  }
}
```

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2) ***Write a java program to create Teacher table(TNo.TName, Sal, Desg) and insert a record in it.***

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Statement;
public class Teacher {

public static void main(String[] args) {

try {
Class.forName("com.mysql.jdbc.Driver");
Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/b56","root","root");
Statement stmt=con.createStatement();
String sql= "insert into teacher values(2,'Patil Mam',50000,'HOD')";
stmt.executeUpdate(sql);
System.out.print("Values Inserted Sucessfully");
}
catch(Exception e) {
```

```
System.out.print(e);
}
}
}
```

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3) ***Write a JDBC program to delete the records of employees whose names are starts with 'a' character.***

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Statement;
public class Delete {

public static void main(String[] args) {

try {
Class.forName("com.mysql.jdbc.Driver");
Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/b56","root","root");
Statement stmt=con.createStatement();
String sql =("delete from employees where ename like 'a%'");
stmt.executeUpdate(sql);
System.out.print("Value Deleted Sucessfully");
}
catch(Exception e) {
System.out.print(e);
}
}
}
```

==========

4) ***Write a JDBC program to count the number of records in table.***

```
import java.sql.ResultSet;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Statement;
public class Count {

public static void main(String[] args) {
// TODO Auto-generated method stub
try {
Class.forName("com.mysql.jdbc.Driver");
Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/b56","root","root");
Statement stmt=con.createStatement();
String sql = "select count(tno) from teacher";
ResultSet rs = stmt.executeQuery(sql);
while(rs.next()) {
System.out.println(rs.getInt(1));
}
}
catch(Exception e) {
System.out.print(e);
}
}
}
```

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5)***Write a java program to create a student table with field's rno, name and per. Insert values in the table. Display all the details of the student on screen. (Use PreparedStatement Interface).***

```
import java.sql.*;
import java.util.Scanner;
public class student {

public static void main(String[] args) {
// TODO Auto-generated method stub
PreparedStatement ps;
try
	{
		int per,rno,no;
		String name;
		Scanner sc = new Scanner(System.in);
Class.forName("com.mysql.cj.jdbc.Driver");
Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/b56","root","root");
Statement stmt=con.createStatement();
String sql="create table student1(rno INT,"+"name varchar(30),"+"per INT);";
stmt.executeUpdate(sql);
System.out.println("given table created in database");
String query="insert into student1 values(?,?,?)";
ps=con.prepareStatement(query);
System.out.println("Enter roll no : ");
rno=sc.nextInt();
System.out.println("Enter name : ");
name=sc.nextLine();
System.out.println("Enter per : ");
per=sc.nextInt();
ps.setInt(1,rno);
ps.setString(2,name);
ps.setInt(3,per);
no=ps.executeUpdate();
if(no!=0)
System.out.println("Data inserted succesfully.....");
else
System.out.println("Data not inserted");
ResultSet rs=stmt.executeQuery("select * from Student1");
System.out.println("rno\t"+"sname\t"+"perc");
while(rs.next())
{
System.out.println("\n"+rs.getInt(1)+"\t"+rs.getString(2)+"\t"+rs.getInt(3));
}
con.close();
}
catch(Exception e)
{
System.out.println(e);
}
}
```

```
}
==========================================================================
```
6)***Write a JDBC program to remove "percentage" column from student (rno, sname, percentage) table. Student table is already created.***

```
package javaprograms;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Statement;

public class percentage {

public static void main(String[] args) {
// TODO Auto-generated method stub
try {
Class.forName("com.mysql.jdbc.Driver");
Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/b56","root","root");
Statement stmt = con.createStatement();
String str = "ALTER TABLE student DROP COLUMN percentage;";
stmt.executeUpdate(str);
System.out.println("column deleted...");
}
catch(Exception e) {
System.out.println(e);
}
}
}
==========================================================================
```
7) ***Write a JDBC program to accept the details of customer (CID, CName, Address, Ph_No) and store it into the database (Use Prepared Statement interface)***

```
import java.util.Scanner;
import java.sql.*;
public class Custtable {
public static void main(String[] args) {
// TODO Auto-generated method stub
PreparedStatement ps;
try
        {
                int cid,no;
                String cname,caddr,pno;
                Scanner sc = new Scanner(System.in);
Class.forName("com.mysql.jdbc.Driver");
Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/b56","root","root");
if(con==null)
{
System.out.print("Connection Failed");
}
String sql="insert into Customer1 values(?,?,?,?)";
ps=con.prepareStatement(sql);
System.out.println("Customer Details....");
System.out.println("Enter Cid");
```

```
cid=sc.nextInt();
ps.setInt(1, cid);
System.out.println("Enter Cname");
cname=sc.nextLine();
ps.setString(2, cname);
System.out.println("Enter Pno");
pno=sc.nextLine();
ps.setString(3, pno);
System.out.println("Enter Caddr");
caddr=sc.nextLine();
ps.setString(4, caddr);
no=ps.executeUpdate();
if(no!=0)
System.out.println("Record added successfully");
else
System.out.println("Record Not added");
con.close();
        }catch(Exception e)
         {
                System.out.println(e);
         }
}
}
```

==========

8) ***Write a JDBC program in java to update an address of given customer(CID, CName, Address) and display updated details.***

```
package javaprograms;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Statement;

public class upaddcust {

public static void main(String[] args) {
try {
Class.forName("com.mysql.jdbc.Driver");
Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/b56","root","root");
Statement stmt = con.createStatement();
String str = " update customer set Caddress='phaltan' where Cid=101;";
stmt.executeUpdate(str);
System.out.println("updated address..");
}
catch(Exception e) {
System.out.println(e);
}
}
}
```

9) ***Write a JDBC program to create a Mobile (Model_No, Company_Name, Price, Color) table and insert a record in it.***

```
import java.sql.Connection;
import java.sql.DriverManager;
```

```
import java.sql.Statement;
import java.util.Scanner;
public class mobile {

public static void main(String[] args) {
// TODO Auto-generated method stub
try {
int mno,price;
    String company,color;
    Scanner sc = new Scanner(System.in);
Class.forName("com.mysql.jdbc.Driver");
Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/b56","root","root");
Statement stmt = con.createStatement();
String sql = "create table Mobile(Model_No INT,Company varchar(20),Price INT,Color varchar(20))";
stmt.executeUpdate(sql);
System.out.println("Table Created");
    System.out.println("Enter Model no");
    mno=sc.nextInt();
    System.out.println("Enter Company");
    company=sc.nextLine();
    System.out.println("Enter Price");
    price=sc.nextInt();
    System.out.println("Enter Color");
    color=sc.nextLine();
    stmt.executeUpdate("insert into Mobile values("+mno+",'"+company+"',"+price+",'"+color+"')");
    System.out.println("Record added successfully");
    con.close();
}catch(Exception e)
  {
    System.out.println(e);
  }
}
}
```

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10) ***Write a JDBC Program in java to display the names of Employees starting with 'S' character.***

```

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
public class empstarts {

public static void main(String[] args) {

try {
Class.forName("com.mysql.jdbc.Driver");
Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/b56","root","root");
Statement stmt=con.createStatement();
ResultSet rs=stmt.executeQuery("select * from employee where ename like 'S%'");
System.out.println("eno\t"+"ename\t"+"department\t"+"sal");
while(rs.next())
```

```
{
System.out.println("\n"+rs.getInt(1)+"\t"+rs.getString(2)+"\t"+rs.getString(3)+"\t"+rs.getInt(4));
}
}
catch(Exception e)
{
System.out.println(e);
}
}
}
```

==========

11) ***Write a JDBC program to delete the details of given employee (ENoEName Salary).***

```
package javaprograms;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Statement;
import java.util.Scanner;

public class delemployee {

public static void main(String[] args) {
Scanner sc= new Scanner(System.in);
try {
Class.forName("com.mysql.jdbc.Driver");
Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/b56","root","root");
Statement stmt = con.createStatement();
System.out.println("enter id:- ");
int i = sc.nextInt();
String str = " delete from emp where id="+i+";";
stmt.executeUpdate(str);
System.out.println("deleted successfully..");
}
catch(Exception e) {
System.out.println(e);
}
}
}
```

==========THANK_YOU==========