**Practical 3**

**Aim:**

**3.6**Consider Bank Table with attributes AccountNo, Customer Name, Balance, Phone and Address. Write a JDBC Program which allows insertion, updation and deletion of record in Bank Table. Print values of all customers whose balance is greater then specified amount. (Hint: program should be menu driven).

**Description:**

Prepared Statement:

If you want to execute a Statement object many times, it usually reduces execution time to use a PreparedStatement object instead.

The main feature of a PreparedStatement object is that, unlike a Statement object, it is given a SQL statement when it is created. The advantage to this is that in most cases, this SQL statement is sent to the DBMS right away, where it is compiled. As a result, the PreparedStatement object contains not just a SQL statement, but a SQL statement that has been precompiled. This means that when the PreparedStatement is executed, the DBMS can just run the PreparedStatement SQL statement without having to compile it first.

**Program code:**

**JD6.java**

**import** java**.**sql**.\*;**

**import** java**.**util**.\*;**

class JD6**{**

public static void main**(**String args**[]){**

PreparedStatement stmt**=null;**

Connection con**=null;**

String PhNo**,**AcNo**;**

String Name**,**Address**;**

Double Balance**;**

int i**=**0**;**

**try{**

System**.**out**.**println**(**"Enroll no:140053131015"**);**

MyDB m1**=new** MyDB**();**

con**=**m1**.**SetConnection**(**"s2b140053131015"**);**

stmt**=**con**.**prepareStatement**(**"create table Bank (AcNo varchar,Name varchar(50),Balance integer,PhNo varchar,Address varchar(50))"**);**

stmt**.**executeUpdate**();**

System**.**out**.**println**(**"Table Created"**);**

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

**while(**i**!=**1**){**

System**.**out**.**println**(**"Enter the operation to be performed:\n1.Insert\n2.Update\n3.Delete\n4.Exit"**);**

int ch**=**sc**.**nextInt**();**

**switch(**ch**){**

**case** 1**:**

stmt**=**con**.**prepareStatement**(**"insert into Bank values(?,?,?,?,?)"**);**

System**.**out**.**println**(**"Enter Account No:"**);**

AcNo**=**sc**.**next**();**

System**.**out**.**println**(**"Enter Customer Name:"**);**

Name**=**sc**.**next**();**

System**.**out**.**println**(**"Enter Balance::"**);**

Balance**=**sc**.**nextDouble**();**

System**.**out**.**println**(**"Enter Phone No:"**);**

PhNo**=**sc**.**next**();**

System**.**out**.**println**(**"Enter Address:"**);**

Address**=**sc**.**next**();**

stmt**.**setString**(**1**,**AcNo**);**

stmt**.**setString**(**2**,**Name**);**

stmt**.**setDouble**(**3**,**Balance**);**

stmt.setString(4,PhNo);

stmt.setString(5,Address);

stmt.executeUpdate();

System.out.println("Data inserted successfully.");

break;

case 2:

stmt=con.prepareStatement("update Bank set balance=? where acno= ?;");

System.out.println("Enter Account No:");

AcNo=sc.next();

System.out.println("Enter Balance::");

Balance=sc.nextDouble();

stmt.setString(2,AcNo);

stmt.setDouble(1,Balance);

stmt.executeUpdate();

System.out.println("Data Updated successfully");

break;

case 3:

stmt=con.prepareStatement("delete from Bank where acno=?");

System.out.println("Enter Account No:");

AcNo=sc.next();

stmt.setString(1,AcNo);

stmt.executeUpdate();

System.out.println("Data Deleted successfully");

break;

case 4:

i=1;

break;

default:

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

break;

}

}

}

catch(Exception e){

System.out.println(e.getMessage());

}

}

}

**OUTPUT:**

