Dt : 24/1/2025

*imp

Construct Procedure to retrieve Bank Customer details based on accNo.

Procedure:

```
create or replace procedure RetrieveDetails70
(ano number,nm OUT varchar2,bl OUT number,atype OUT varchar2,cty OUT varchar2,
st OUT varchar2,pcode OUT number,md OUT varchar2,pno OUT number) is
begin
  select name,bal,acctype into nm,bl,atype from BankCustomer70 where accno=ano;
  select city,state,pincode into cty,st,pcode from CustAddress70 where accno=ano;
  select mid,phno into md,pno from CustContact70 where accno=ano;
end;
/
```

Program:

Construct JDBC Program to execute Procedure.

Program : DBCon9.java

```
package test;
import java.util.*;
import java.sql.*;
public class DBCon10 {
        public static void main(String[] args) {
    Scanner s = new Scanner(System.in);
```

```java
try(s;){

    Class.forName("oracle.jdbc.driver.OracleDriver");

    Connection con = DriverManager.getConnection

        ("jdbc:oracle:thin:@localhost:1521:xe","system","tiger");

    CallableStatement cs = con.prepareCall

        ("{call RetrieveDetails70(?,?,?,?,?,?,?,?)}");

    System.out.println("Enter the Cust-AccNo to retrieve details:");

    long accNo = Long.parseLong(s.nextLine());

    cs.setLong(1, accNo);

    cs.registerOutParameter(2, Types.VARCHAR);

    cs.registerOutParameter(3, Types.FLOAT);

    cs.registerOutParameter(4, Types.VARCHAR);

    cs.registerOutParameter(5, Types.VARCHAR);

    cs.registerOutParameter(6, Types.VARCHAR);

    cs.registerOutParameter(7, Types.INTEGER);

    cs.registerOutParameter(8, Types.VARCHAR);

    cs.registerOutParameter(9, Types.BIGINT);

    cs.execute();

    System.out.println("--------Customer Details-------");

    System.out.println("Cust-Name : "+cs.getString(2));

    System.out.println("Cust-Bal : "+cs.getFloat(3));

    System.out.println("Cust-AccType : "+cs.getString(4));

    System.out.println("Cust-City : "+cs.getString(5));

    System.out.println("Cust-State : "+cs.getString(6));

    System.out.println("Cust-PinCode : "+cs.getInt(7));
```

```java
            System.out.println("Cust-MailId : "+cs.getString(8));

            System.out.println("Cust-PhoneNo : "+cs.getLong(9));

            con.close();

        }catch(Exception e) {

            e.printStackTrace();

        }

        }

}
```

o/p:

Enter the Cust-AccNo to retrieve details:

123456

--------Customer Details-------

Cust-Name : Alex

Cust-Bal : 1000.0

Cust-AccType : Savings

Cust-City : Hyd

Cust-State : TG

Cust-PinCode : 506112

Cust-MailId : a@gmail.com

Cust-PhoneNo : 9898981234

Assignment:

Construct Procedure to retrieve Complete Student details based on RollNo.

 ----

faq:

define Function?

  =>Function is a set-of-queries executed on Database product and which will return the

   value.

  (Function in SQL means return_type)

  =>In SQL-Function also we use 'return' statement to return the value

stucture of Function:

create or replace Function Function_name

(para_list) return data_type as var data_type;

begin

  queries

   return var;

end;

/

--

*imp

Construct Function to display Customer Balance based on accNo.

Function:

create or replace Function RetrieveBalance70

(ano number) return number as x number;

begin

  select bal into x from BankCustomer70 where accno=ano;

```
    return x;

end;

/


Program : DBCon10.java

package test;

import java.util.*;

import java.sql.*;

public class DBCon10 {

   public static void main(String[] args) {

        Scanner s = new Scanner(System.in);

        try(s;){

                Class.forName("oracle.jdbc.driver.OracleDriver");

         Connection con = DriverManager.getConnection

                        ("jdbc:oracle:thin:@localhost:1521:xe","system","tiger");

         CallableStatement cs = con.prepareCall

                        ("{call ?:=RetrieveBalance70(?)}");

         System.out.println("Enter the AccNo to retrieve Balance:");

         long accNo = s.nextLong();

         cs.setLong(2, accNo);

         cs.registerOutParameter(1, Types.FLOAT);

         cs.execute();

         System.out.println("Cust-Balance:"+cs.getFloat(1));

         con.close();

         }catch(Exception e) {
```

```
                    e.printStackTrace();

            }

      }

}
```

o/p:

Enter the AccNo to retrieve Balance:

123456

Cust-Balance:1000.0

Assignment:

Construct Function to retrieve Student Percentage based on RollNo.