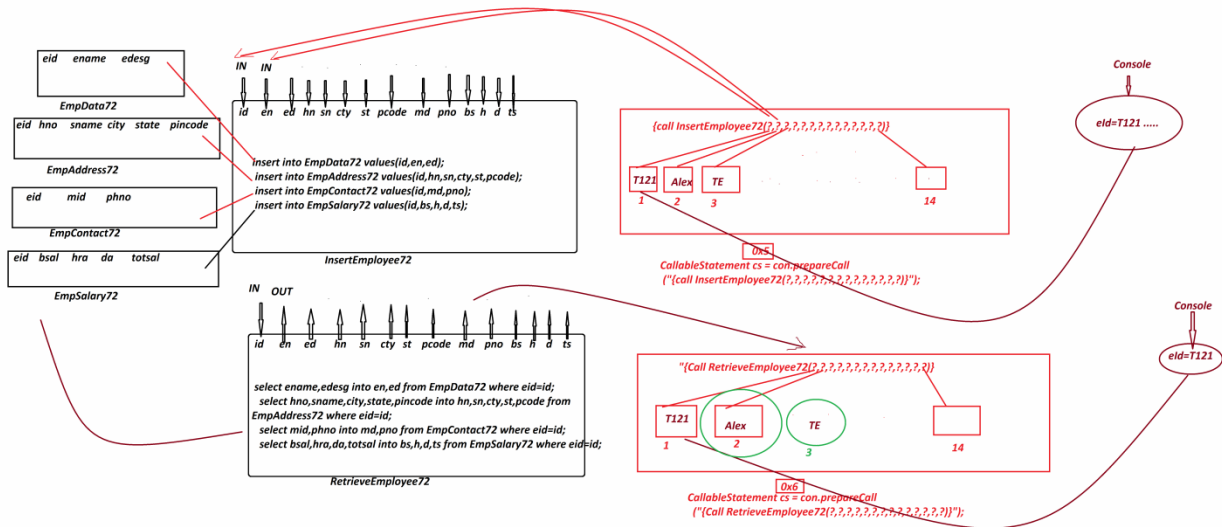


Dt : 15/3/2025

Diagram:



Construct Application to retrieve all details of Employee using Procedure:

step-1 : Construct the Procedure to retrieve Employee details based on Emp-Id

create or replace procedure RetrieveEmployee72

(id varchar2,en OUT varchar2,ed OUT varchar2,hn OUT varchar2,sn OUT varchar2,
cty OUT varchar2,st OUT varchar2,pcode OUT number,md OUT varchar2,pno OUT number,
bs OUT number,h OUT number,d OUT number,ts OUT number) is

begin

select ename,edesg into en,ed from EmpData72 where eid=id;

select hno,sname,city,state,pincode into hn,sn,cty,st,pcode from EmpAddress72 where
eid=id;

select mid,phno into md,pno from EmpContact72 where eid=id;

```

select bsal,hra,da,totsal into bs,h,d,ts from EmpSalary72 where eid=id;

end;

/

```

Step-2 : Construct JDBC Application to execute Procedure

Program : DBCon12.java

```

package test;
import java.util.*;
import java.sql.*;
public class DBCon12 {
    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 RetrieveEmployee72(?,?,?,?,?,?,?,?,?,?,?,?,?)");
            System.out.println("Enter the Emp-Id to retrieve details:");
            String eId = s.nextLine();
            cs.setString(1, eId);
            cs.registerOutParameter(2, Types.VARCHAR);
            cs.registerOutParameter(3, Types.VARCHAR);
            cs.registerOutParameter(4, Types.VARCHAR);
            cs.registerOutParameter(5, Types.VARCHAR);
            cs.registerOutParameter(6, Types.VARCHAR);
            cs.registerOutParameter(7, Types.VARCHAR);
            cs.registerOutParameter(8, Types.INTEGER);
            cs.registerOutParameter(9, Types.VARCHAR);
            cs.registerOutParameter(10, Types.BIGINT);
            cs.registerOutParameter(11, Types.INTEGER);
            cs.registerOutParameter(12, Types.FLOAT);
            cs.registerOutParameter(13, Types.FLOAT);
            cs.registerOutParameter(14, Types.FLOAT);
            cs.execute();
            System.out.println("*****Details*****");
            System.out.println("Emp-Id: "+eId);
            System.out.println("Emp-Name: "+cs.getString(2));
            System.out.println("Emp-Desg: "+cs.getString(3));

```

```

        System.out.println("Emp-HNo: "+cs.getString(4));
        System.out.println("Emp-SName: "+cs.getString(5));
        System.out.println("Emp-City: "+cs.getString(6));
        System.out.println("Emp-State: "+cs.getString(7));
        System.out.println("Emp-PinCode: "+cs.getInt(8));
        System.out.println("Emp-MailId: "+cs.getString(9));
        System.out.println("Emp-PhoneNo: "+cs.getLong(10));
        System.out.println("Emp-BSal: "+cs.getInt(11));
        System.out.println("Emp-HRA: "+cs.getFloat(12));
        System.out.println("Emp-DA: "+cs.getFloat(13));
        System.out.println("Emp-TotSal: "+cs.getFloat(14));
        con.close();
    }catch(Exception e) {
        e.printStackTrace();
    }
}
}

```

o/p:

Enter the Emp-Id to retrieve details:

T121

*******Details*******

Emp-Id:T121

Emp-Name:Alex

Emp-Desg:TE

Emp-HNo:12-34/h

Emp-SName:SRN

Emp-City:Hyd

Emp-State:TG

Emp-PinCode:506112

Emp-MailId:alex@gmail.com

Emp-PhoneNo:9898981234

Emp-BSal:45000

Emp-HRA:41850.0

Emp-DA:27450.0

Emp-TotSal:114300.0

Assignment:

DT Tables:

StudentData72(rollno,name,branch)

StudentAddress72(rollno,hno,sname,city,state,pincode)

StudentContact72(rollno,mid,phno)

StudentMarks72(rollno,t,h,e,m,s,so)

StudentResult72(rollno,totmarks,per,grade)

Application-1:

Step-1 : Construct Procedure to insert student deatails to DB Tables

Step-2 : Construct JDBC Application to execute Procedure

Application-2 :

Step-1 : Construct Procedure to retrieve student deatails based on rollNo

Step-2 : Construct JDBC Application to execute Procedure

=====

Venkatesh Maipathii