

Practical 3

Aim:

3.5 Write a PL/SQL Function (StoredProcedure) to retrieve all the student information whose branch is CSE and using java program display all selected records on console.

Description:

A stored procedure is a group of SQL statements that form a logical unit and perform a particular task, and they are used to encapsulate a set of operations or queries to execute on a database server. For example, operations on an employee database (hire, fire, promote, lookup) could be coded as stored procedures executed by application code. Stored procedures can be compiled and executed with different parameters and results, and they can have any combination of input, output, and input/output parameters.

Program code:

MyDB.java

```
import java.sql.*;
class MyDB{
    public Connection SetConnection(String database){
        Connection con=null;
        try{
            Class.forName("org.postgresql.Driver");

con=DriverManager.getConnection("jdbc:postgresql://localhost:5432/"+database,"postgres","6110");

        }
        catch(Exception e){

            System.out.println(e.getMessage());
        }
        return con;
    }
}
```

JD5.java

```
import java.sql.*;
class JD5{
    public static void main(String args[]){
        Connection con=null;
        PreparedStatement stmt=null;
        try{
            System.out.println("Enroll no:140053131015");

            MyDB m1=new MyDB();
            con=m1.SetConnection("s2b140053131015");
            stmt=con.prepareStatement("select display()");
            ResultSet rs=stmt.executeQuery();
            while(rs.next()){

                System.out.println(rs.getString("display"));
            }

        }
        catch(Exception e){

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

OUTPUT: