**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.

**Program code:**

**PLPGSQL Functon:**

CREATE OR REPLACE FUNCTION display()

RETURNS TABLE(id integer, name character varying, branch character varying) AS

$BODY$

BEGIN RETURN QUERY

SELECT \* FROM student WHERE student.branch='Cse';

END;

$BODY$

LANGUAGE plpgsql STABLE

**MyData.java**

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

class MyData**{**

public Connection SetConnection**(**String database**){**

Connection con**=null;**

**try{**

Class**.**forName**(**"org.postgresql.Driver"**);**

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

**}catch(**Exception e**){**

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

**}**

**return** con**;**

**}**

**}**

**JDBC5.java**

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

class JDBC5**{**

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

Connection con**=null;**

PreparedStatement stmt**=null;**

**try{**

System**.**out**.**println**(**"Enrollment:130050131531"**);**

MyData m1**=new** MyData**();**

con**=**m1**.**SetConnection**(**"s2a130050131531"**);**

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**());**

**}**

**}**

**}**

**Input Output:**

