**Practical 3.5**

**Aim:**  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.

**CODE:**

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

public class RetrieveData **{**

static final String JDBC\_DRIVER **=** "org.postgresql.Driver"**;**

static final String DB\_URL **=** "jdbc:postgresql://localhost/s2d130050131115"**;**

// Database credentials

static final String USER **=** "postgres"**;**

static final String PASS **=** "12345"**;**

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

Connection conn **=** **null;**

CallableStatement cstmt **=** **null;**

String name**,** rollno**,** branch**;**

**try{**

System**.**out**.**println**(**"Enrollno: 130050131115"**);**

//STEP 2: Register JDBC driver

Class**.**forName**(**JDBC\_DRIVER**);**

//STEP 3: Open a connection

System**.**out**.**println**(**"Connecting to a selected database..."**);**

conn **=** DriverManager**.**getConnection**(**DB\_URL**,** USER**,** PASS**);**

System**.**out**.**println**(**"Connected database successfully..."**);**

//STEP 4: Execute a query

cstmt **=** conn**.**prepareCall**(**"{call ret\_data()}"**);**

cstmt**.**execute**();**

System**.**out**.**println**(**"All 'student' table data with 'branch' = 'CSE'"**);**

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

ResultSet rs **=** cstmt**.**getResultSet**();**

System**.**out**.**print**(**"Roll\_no\t"**);**

System**.**out**.**print**(**"Name\t"**);**

System**.**out**.**print**(**"Branch\t"**);**

System.out.println("\n:-------------------------------:");

while (rs.next())

{

System.out.println();

System.out.print(rs.getString(1)+"\t");

System.out.print(rs.getString(2)+"\t");

System.out.print(rs.getString(3)+"\t");

System.out.println();

}

}catch(SQLException se){

//Handle errors for JDBC

se.printStackTrace();

}catch(Exception e){

//Handle errors for Class.forName

e.printStackTrace();

}finally{

//finally block used to close resources

try{

if(cstmt!=null)

conn.close();

}catch(SQLException se){

}// do nothing

try{

if(conn!=null)

conn.close();

}catch(SQLException se){

se.printStackTrace();

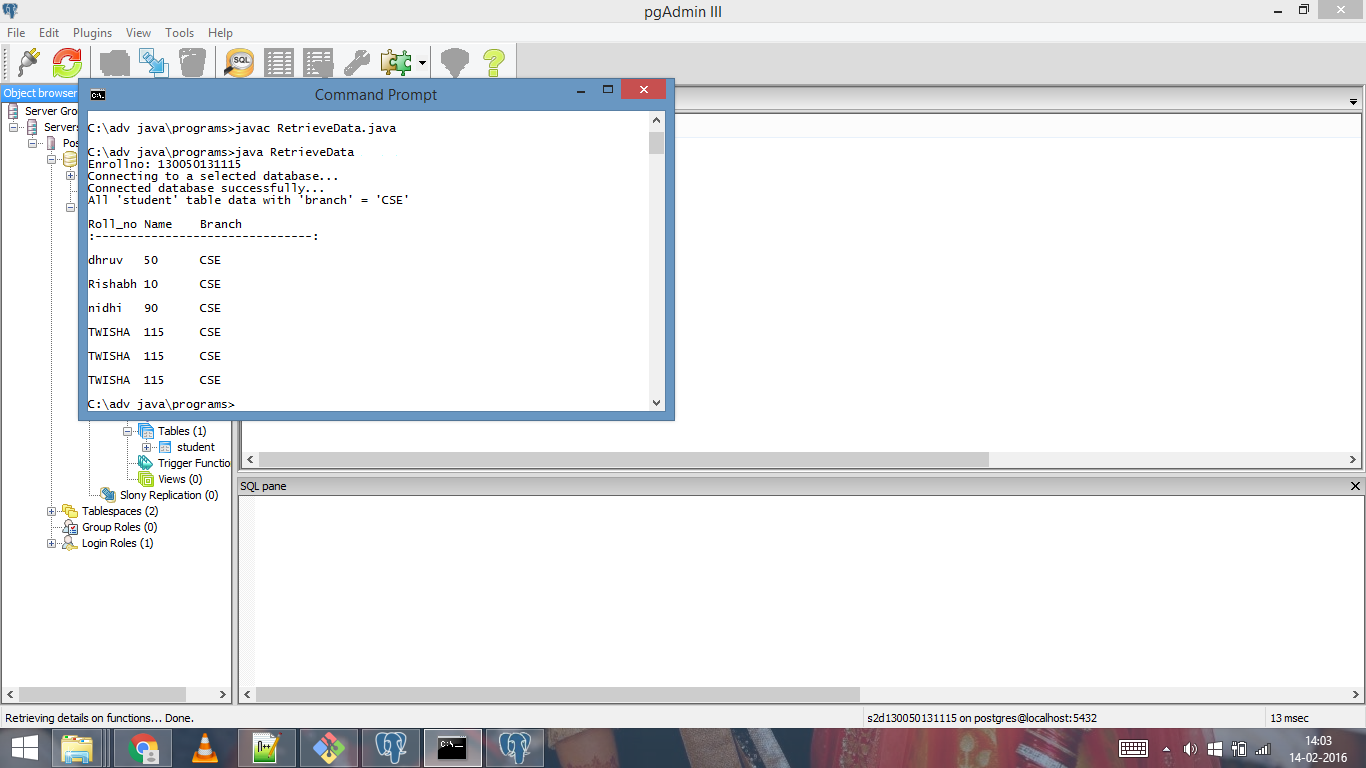
}//end finally try

}//end try

}

}

**OUTPUT:**

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