LAB 12

202003045 – 202003043

Code to connect to java server

What to do ?

• Implement Core Java code to use JDBC API for executing the queries of following nature: o Data retrieval using SELECT query o Data modification using UPDATE query o Add new data using INSERT query o Remove the rows using DELETE query o Calling Stored Procedure

• During the implementation of the above functionalities, you need to show how to use Connection, Statement, PreparedStatement, ResultSet and CallableStatement classes from JDBC API.

Code to connect :

package net.codejava;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

import java.util.Properties;

public class Postgre\_LAB12

{

public static void main(String[] args)

{

String jdbcURL = "jdbc:postgresql://localhost:5432/postgres";

String username = "postgres";

String password = "Aditya@123";

try

{

Connection connection = DriverManager.getConnection(jdbcURL, username, password);

System.out.println("Connected to postgre SQL server");

connection.close();

}

catch(SQLException e)

{

System.out.println("Error in connecting to Postgre SQL server");

e.printStackTrace();

}

}

}

Code to insert :

**package** net.codejava;

//insert

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.SQLException;

**import** java.sql.Statement;

**public** **class** Postgre\_LAB12

{

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

{

String jdbcURL = "jdbc:postgresql://localhost:5432/postgres";

String username = "postgres";

String password = "Aditya@123";

**try**

{

Connection connection = DriverManager.*getConnection*(jdbcURL,username,password);

System.***out***.println("Connected to postgresql successfully");

System.***out***.println("data will be inserted now");

String i = "insert into airline\_management\_company1.users values ('adiadi@gmail.com', 'aman', '9326205483')";

System.***out***.println("data inserted");

Statement statement =connection.createStatement();

statement.executeUpdate(i);

connection.close();

}

**catch** (SQLException e)

{

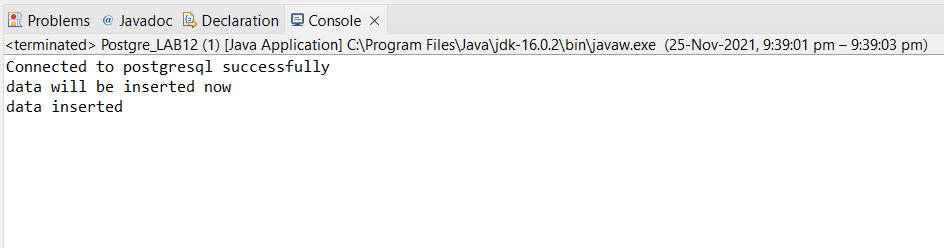
System.***out***.println("Error in connecting to PostreSQL server");

e.printStackTrace();

}

}

}



Code to update :

**package** net.codejava;

//update

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.SQLException;

**import** java.sql.Statement;

**public** **class** Postgre\_LAB12

{

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

{

String jdbcURL = "jdbc:postgresql://localhost:5432/postgres";

String username = "postgres";

String password = "Aditya@123";

**try**

{

Connection connection = DriverManager.*getConnection*(jdbcURL,username,password);

System.***out***.println("Connected to postgresql successfully ");

System.***out***.println("data will be updated now");

String u="update airline\_management\_company1.users set u\_naame='aditya' where u\_email\_id='adiadiadi@gmail.com'";

System.***out***.println("data updated");

Statement statement =connection.createStatement();

statement.executeUpdate(u);

connection.close();

}

**catch** (SQLException e)

{

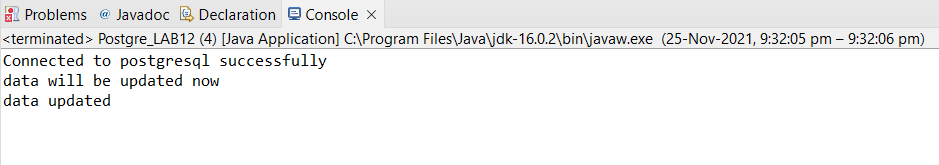
System.***out***.println("Error in connecting to PostreSQL server");

e.printStackTrace();

}

}

}



Code to delete :

**package** net.codejava;

//delete

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.SQLException;

**import** java.sql.Statement;

**public** **class** Postgre\_LAB12

{

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

{

String jdbcURL = "jdbc:postgresql://localhost:5432/postgres";

String username = "postgres";

String password = "Aditya@123";

**try**

{

Connection connection = DriverManager.*getConnection*(jdbcURL,username,password);

System.***out***.println("Connected to postgresql successfully");

System.***out***.println("data will be deleted now");

String d="delete from airline\_management\_company1.users where u\_naame='jugal'";

System.***out***.println("data deleted");

Statement statement =connection.createStatement();

statement.executeUpdate(d);

connection.close();

}

**catch** (SQLException e)

{

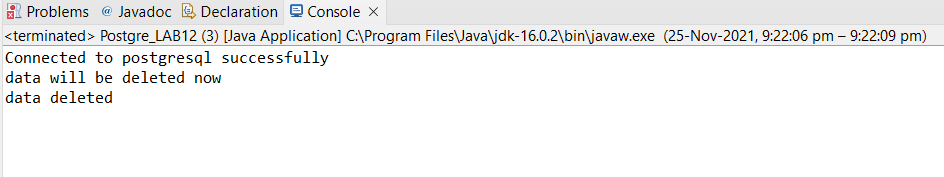
System.***out***.println("Error in connecting to PostreSQL server");

e.printStackTrace();

}

}

}



Code to view :

**package** net.codejava;

//view

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.SQLException;

**import** java.sql.Statement;

**import** java.sql.ResultSet;

**public** **class** Postgre\_LAB12

{

**static** **final** String ***QUERY*** = "SELECT \* FROM airline\_management\_company1.traveller";

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

{

String jdbcURL = "jdbc:postgresql://localhost:5432/postgres";

String username = "postgres";

String password = "Aditya@123";

ResultSet rs=**null**;

Statement smt=**null**;

**try**

{

Connection connection = DriverManager.*getConnection*(jdbcURL,username,password);

System.***out***.println("Connected to postgresql successfully");

System.***out***.println("Data :");

smt=connection.createStatement();

smt.executeQuery(***QUERY***);

String query="select \* from airline\_management\_company1.traveller";

smt=connection.createStatement();

rs=smt.executeQuery(query);

**while**(rs.next())

{

System.***out***.println(rs.getString(2));

System.***out***.println(rs.getString(3));

}

connection.close();

}

**catch** (SQLException e)

{

System.***out***.println("Error in connecting to PostreSQL server");

e.printStackTrace();

}

}

}

