

Connecting with Data Bases From Code:

Code:

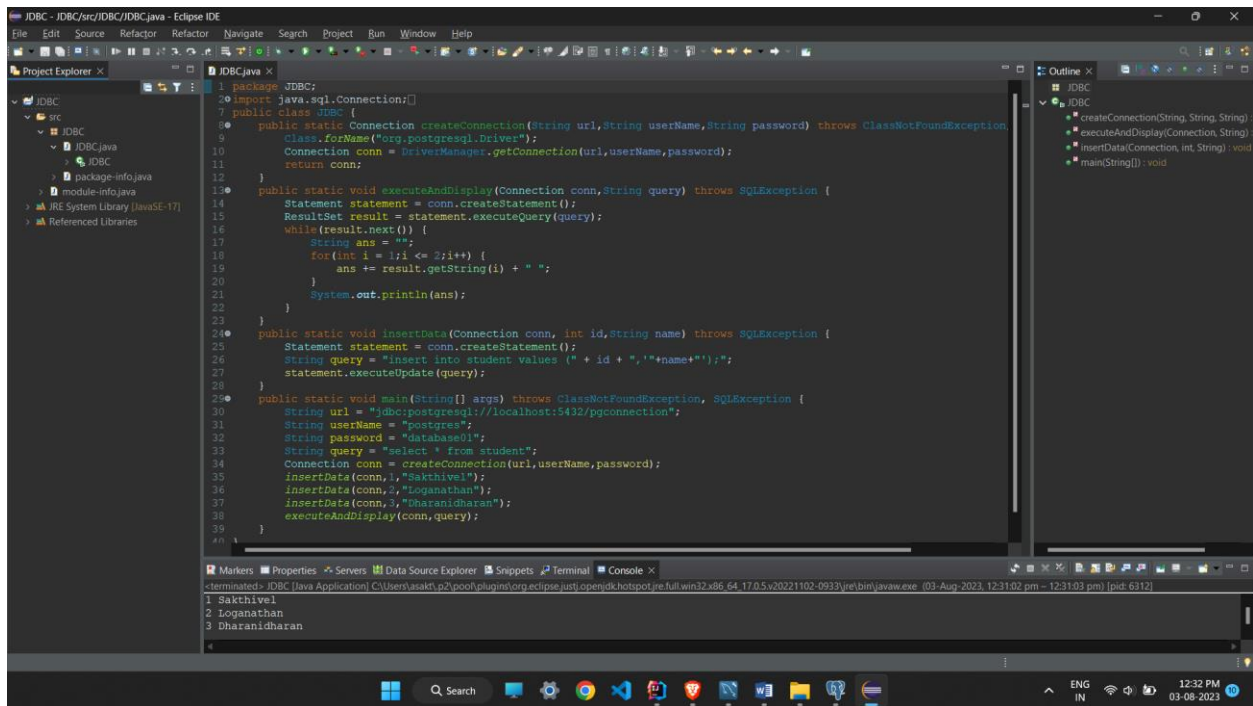
```
package JDBC;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
public class JDBC {
    // method for creating database connection
    public static Connection createConnection(String url,String userName,String
password) throws ClassNotFoundException, SQLException{
        Class.forName("org.postgresql.Driver");
        Connection conn =
DriverManager.getConnection(url,userName,password);
        return conn;
    }
    // method for displaying the result from database(table)
    public static void executeAndDisplay(Connection conn,String query) throws
SQLException {
        Statement statement = conn.createStatement();
        ResultSet result = statement.executeQuery(query);
        while(result.next()) {
            String ans = "";
            for(int i = 1;i <= 2;i++) {
                ans += result.getString(i) + " ";
            }
            System.out.println(ans);
        }
    }
    // method for inserting data to database(table)
    public static void insertData(Connection conn, int id,String name) throws
SQLException {
        Statement statement = conn.createStatement();
        String query = "insert into student values (" + id + ", '"+name+"')";
        statement.executeUpdate(query);
    }
    public static void main(String[] args) throws ClassNotFoundException,
SQLException {
        String url = "jdbc:postgresql://localhost:5432/pgconnection";
```

```

String userName = "postgres";
String password = "database01";
String query = "select * from student";
Connection conn = createConnection(url,userName,password);
insertData(conn,1,"Sakthivel");
insertData(conn,2,"Loganathan");
insertData(conn,3,"Dharanidharan");
executeAndDisplay(conn,query);
}
}

```

Code in Eclipse IDE:



Output:

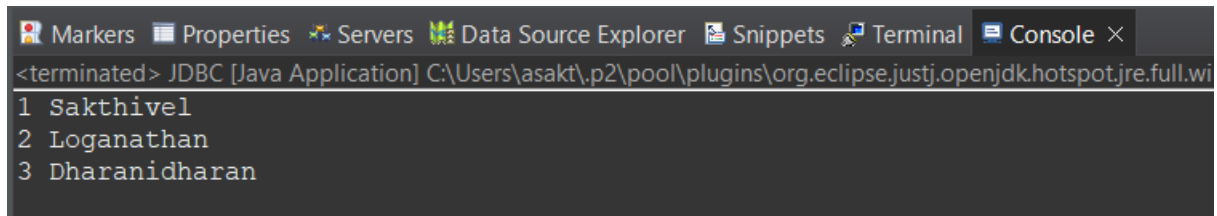


Table in Database:

Data Output

Messages

Notifications

<</