

LAB GROUP - 3 Team ID - 305

JAVA PROGRAM

CONNECTION

```
String jdbcUrl = "jdbc:postgresql://localhost:5432/postgres";
String userName = "postgres";
String password = "tiger";

try {
    connection = DriverManager.getConnection(jdbcUrl, userName, password);
    System.out.println("Connected to the PostgreSQL server successfully.");
} catch (SQLException e) {
    System.out.println("Error");
    System.out.println(e.getMessage());
}
```

Connected to the PostgreSQL server successfully.

CHANGE SCHEMA

```
Statement SMA = connection.createStatement();
String setSchemaQuery = "SET search_path TO SRO";
SMA.execute(setSchemaQuery);
```

SELECT STATEMENT

```
Statement statement = connection.createStatement();
String query="SELECT * FROM Employee";
ResultSet resultset=(statement).executeQuery(query);
while(resultset.next()) {
    int id=resultset.getInt("eid");
    Date hdate = resultset.getDate("hire date");
    System.out.println(" | ID IS: " + id + " | hire date: " + hdate + " | ");
}
| ID IS : 1001 | hire date : 2015-07-01 |
| ID IS : 1002 | hire date : 2016-02-15 |
| ID IS : 1003 | hire date : 2017-05-10 |
| ID IS : 1004 | hire date : 2018-08-20 |
| ID IS : 1005 | hire date : 2019-11-25 |
| ID IS : 1006 | hire_date : 2020-04-02 |
| ID IS : 1007 | hire_date : 2021-01-10 |
| ID IS : 1008 | hire date : 2022-03-15 |
| ID IS : 1009 | hire date : 2015-09-05 |
| ID IS : 1010 | hire date : 2016-06-12 |
| ID IS : 1011 | hire date : 2017-08-20 |
| ID IS : 1012 | hire date : 2018-10-30 |
| ID IS : 1013 | hire date : 2019-12-05 |
 | ID IS : 1014 | hire date : 2020-03-20
| ID IS : 1015 | hire_date : 2021-06-15
| ID IS : 1016 | hire_date : 2022-01-01
| ID IS : 1017 | hire date : 2022-01-15 |
| ID IS : 1018 | hire date : 2022-02-01 |
| ID IS : 1019 | hire date : 2022-02-15 |
| ID IS : 1020 | hire date : 2022-03-01 |
| ID IS : 1021 | hire date : 2022-03-15 |
| ID IS : 1022 | hire date : 2022-04-01 |
| ID IS : 1023 | hire date : 2022-04-15 |
| ID IS : 1024 | hire date : 2022-05-01
| ID IS : 1025 | hire_date : 2022-05-15 |
| ID IS : 1026 | hire date : 2022-06-01 |
| ID IS : 1027 | hire date : 2022-06-15 |
| ID IS : 1028 | hire date : 2022-07-01 |
| ID IS : 1029 | hire date : 2022-07-15 |
| ID IS : 1030 | hire date : 2022-08-01 |
```

INSERT STATEMENT

Data Inserted SuccessFully...

UPDATE STATEMENT

DELETE STATEMENT

Data is Deleted