ASSIGNMENT –3
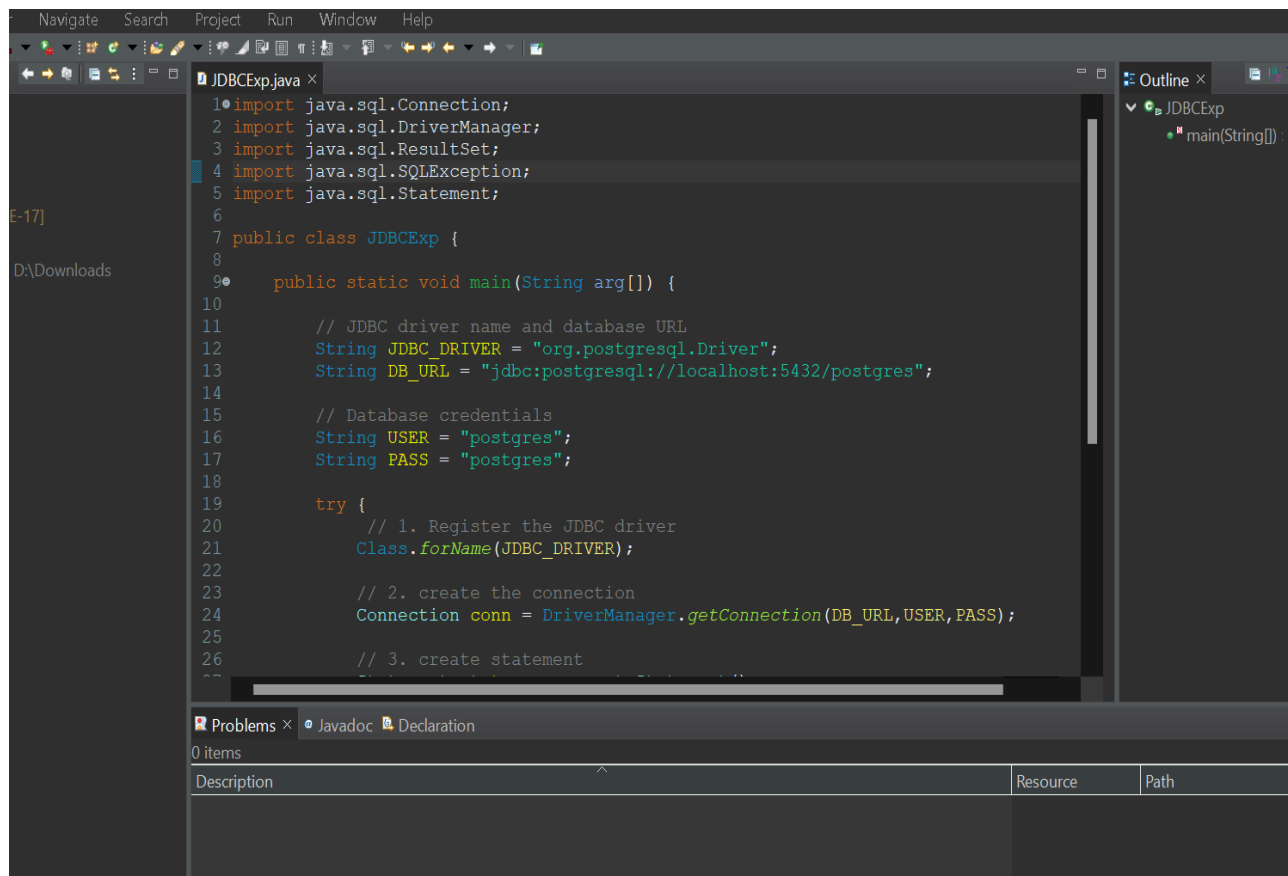
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JDBC USING JAVA : ALL THE 5 STEPS INCLUDED

HERE I HAVE USED PGAdmin FOR EXECUTING THE SQL QUERY, SO THE jar IS OF PGADMIN

STEPS:

1. REGISTER THE DRIVER
2. ESTABLISH THE CONNECTION
3. CREATE THE STATEMENT
4. EXECUTE THE QUERY
5. CLOSE THE CONNECTION

```java
16          String USER = "postgres";
17          String PASS = "postgres";
18
19          try {
20              // 1. Register the JDBC driver
21              Class.forName(JDBC_DRIVER);
22
23              // 2. create the connection
24              Connection conn = DriverManager.getConnection(DB_URL,USER,PASS);
25
26              // 3. create statement
27              Statement stmt =conn.createStatement();
28
29              //4. execute query
30              ResultSet rs = stmt.executeQuery("select * from customers");
31
32              while(rs.next()) {
33                  System.out.println(rs.getInt(1)+" "+rs.getString(2)+" "+rs.getShor
34              }
35              // Close the connection
36              conn.close();
37          }
38          catch (ClassNotFoundException | SQLException e) {
39                  e.printStackTrace();
40          }
41      }
```

Problems × Javadoc Declaration
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OUTPUT:

From table customers

```java
19          try {
20              // 1. Register the JDBC driver
21              Class.forName(JDBC_DRIVER);
22
23              // 2. create the connection
24              Connection conn = DriverManager.getConnection(DB_URL,USER,PASS);
25
26              // 3. create statement
27              Statement stmt =conn.createStatement();
28
29              //4. execute query
30              ResultSet rs = stmt.executeQuery("select * from Customers");
31
32              while(rs.next()) {
33                  System.out.println(rs.getInt(1)+" "+rs.getString(2)+" "+rs.getStri
34              }
35              // Close the connection
```

Problems Javadoc Declaration Console ×
<terminated> JDBCExp [Java Application] C:\Users\91944\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_1
1 John Doe john@example.com
2 Jane Smith jane@example.com
3 Mike Johnson mike@example.com

From table orders

```java
26              // 3. create statement
27              Statement stmt =conn.createStatement();
28
29              //4. execute query
30              ResultSet rs = stmt.executeQuery("select * from Orders");
31
32              while(rs.next()) {
33                  System.out.println(rs.getInt(1)+" "+rs.getInt(2)+" "+rs.getString(
34              }
35              // Close the connection
36              conn.close();
37          }
38          catch (ClassNotFoundException | SQLException e) {
39                  e.printStackTrace();
40          }
41      }
42 }
43
```

Problems Javadoc Declaration Console ✕

<terminated> JDBCExp [Java Application] C:\Users\91944\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.

```
1 1 Product A 2
2 2 Product B 1
3 1 Product C 3
```