

T05-Estabelecendo Conexões

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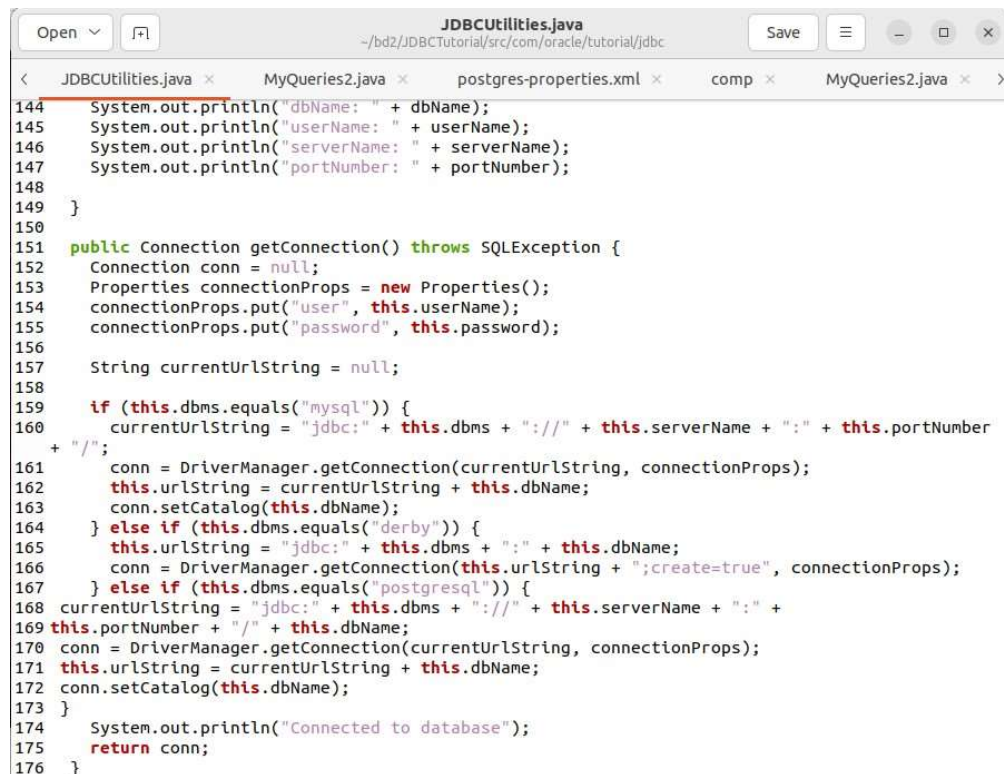
A conexão com o banco de dados foi estabelecida após modificar os arquivos de consiguração

Print referente ao passo 4:



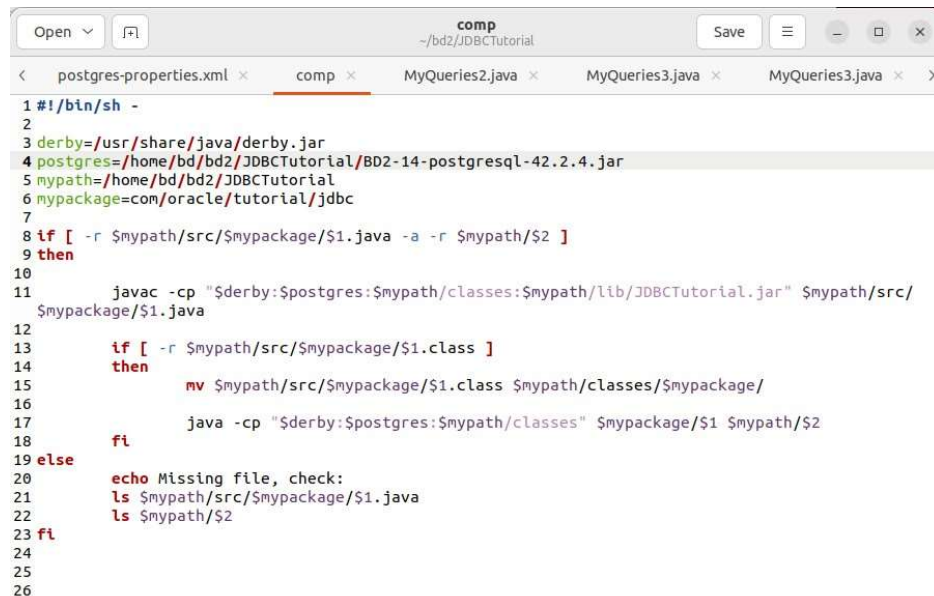
```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <!DOCTYPE properties SYSTEM "http://java.sun.com/dtd/properties.dtd">
3 <properties>
4
5   <entry key="dbms">postgresql</entry>
6   <entry key="driver">/home/bd/bd2/JDBCTutorial/BD2-14-postgresql-42.2.4.jar</entry>
7   <entry key="database_name">IB</entry>
8   <entry key="user_name">postgres</entry>
9   <entry key="password">postgres</entry>
10  <entry key="server_name">localhost</entry>
11  <entry key="port_number">5432</entry>
12
13
14 /properties
```

Print referente ao passo 5:



```
144 System.out.println("dbName: " + dbName);
145 System.out.println("userName: " + userName);
146 System.out.println("serverName: " + serverName);
147 System.out.println("portNumber: " + portNumber);
148
149 }
150
151 public Connection getConnection() throws SQLException {
152     Connection conn = null;
153     Properties connectionProps = new Properties();
154     connectionProps.put("user", this.userName);
155     connectionProps.put("password", this.password);
156
157     String currentUrlString = null;
158
159     if (this.dbms.equals("mysql")) {
160         currentUrlString = "jdbc:" + this.dbms + "://" + this.serverName + ":" + this.portNumber
161 + "/";
162         conn = DriverManager.getConnection(currentUrlString, connectionProps);
163         this.urlString = currentUrlString + this.dbName;
164         conn.setCatalog(this.dbName);
165     } else if (this.dbms.equals("derby")) {
166         this.urlString = "jdbc:" + this.dbms + ":" + this.dbName;
167         conn = DriverManager.getConnection(this.urlString + ";create=true", connectionProps);
168     } else if (this.dbms.equals("postgresql")) {
169         currentUrlString = "jdbc:" + this.dbms + "://" + this.serverName + ":" +
170 this.portNumber + "/" + this.dbName;
171         conn = DriverManager.getConnection(currentUrlString, connectionProps);
172         this.urlString = currentUrlString + this.dbName;
173         conn.setCatalog(this.dbName);
174     }
175     System.out.println("Connected to database");
176     return conn;
177 }
```

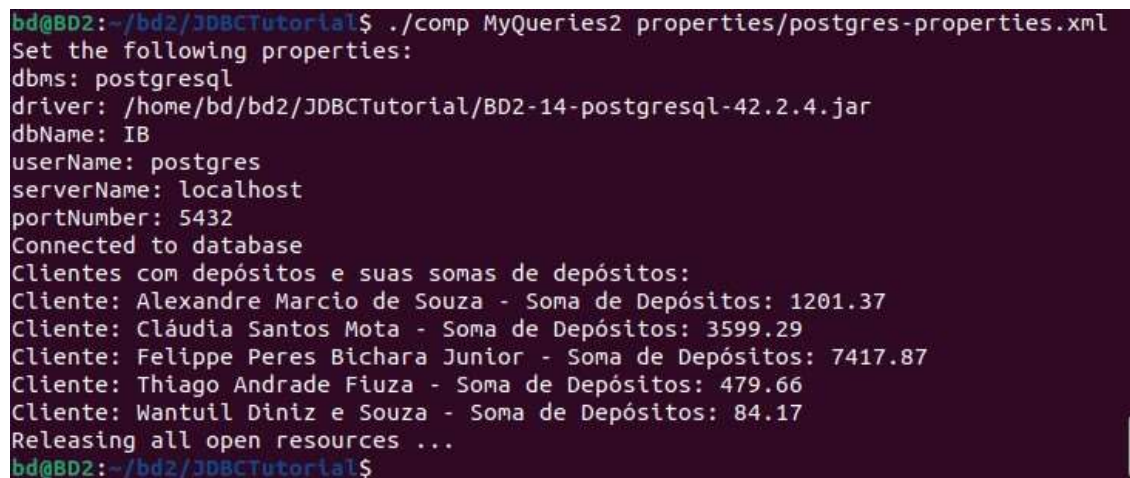
Print referente ao passo 7:



```
1 #!/bin/sh -
2
3 derby=/usr/share/java/derby.jar
4 postgres=/home/bd/bd2/JDBCTutorial/BD2-14-postgresql-42.2.4.jar
5 mypath=/home/bd/bd2/JDBCTutorial
6 mypackage=com/oracle/tutorial/jdbc
7
8 if [ -r $mypath/src/$mypackage/$1.java -a -r $mypath/$2 ]
9 then
10
11     javac -cp "$derby:$postgres:$mypath/classes:$mypath/lib/JDBCTutorial.jar" $mypath/src/
    $mypackage/$1.java
12
13     if [ -r $mypath/src/$mypackage/$1.class ]
14     then
15         mv $mypath/src/$mypackage/$1.class $mypath/classes/$mypackage/
16
17         java -cp "$derby:$postgres:$mypath/classes" $mypackage/$1 $mypath/$2
18     fi
19 else
20     echo Missing file, check:
21     ls $mypath/src/$mypackage/$1.java
22     ls $mypath/$2
23 fi
24
25
26
```

Resultados das execuções:

MyQueries2:



```
bd@BD2:~/bd2/JDBCTutorial$ ./comp MyQueries2 properties/postgres-properties.xml
Set the following properties:
dbms: postgresql
driver: /home/bd/bd2/JDBCTutorial/BD2-14-postgresql-42.2.4.jar
dbName: IB
userName: postgres
serverName: localhost
portNumber: 5432
Connected to database
Clientes com depósitos e suas somas de depósitos:
Cliente: Alexandre Marcio de Souza - Soma de Depósitos: 1201.37
Cliente: Cláudia Santos Mota - Soma de Depósitos: 3599.29
Cliente: Felipe Peres Bichara Junior - Soma de Depósitos: 7417.87
Cliente: Thiago Andrade Fiuza - Soma de Depósitos: 479.66
Cliente: Wantuil Diniz e Souza - Soma de Depósitos: 84.17
Releasing all open resources ...
bd@BD2:~/bd2/JDBCTutorial$
```

MyQueries3:

```
bd@BD2:~/bd2/JDBCTutorial$ ./comp MyQueries3 properties/postgres-properties.xml
Set the following properties:
dbms: postgresql
driver: /home/bd/bd2/JDBCTutorial/BD2-14-postgresql-42.2.4.jar
dbName: IB
userName: postgres
serverName: localhost
portNumber: 5432
Connected to database
Clientes com depósitos e empréstimos e suas somas:
Cliente: Thiago Leôncio Guimarães - Soma de Depósitos: 1753.42 - Soma de Empréstimos: 1411.99
Cliente: Andre Cabral da Silva - Soma de Depósitos: 4490.47 - Soma de Empréstimos: 2612.98
Cliente: Gilmar Negreiros Carvalho - Soma de Depósitos: 5115.06 - Soma de Empréstimos: 2117.05
Cliente: Everardo Monfort Leitão - Soma de Depósitos: 3562.54 - Soma de Empréstimos: 1886.98
Cliente: Carolina Soares - Soma de Depósitos: 3516.28 - Soma de Empréstimos: 1324.74
Cliente: Marcos Andrade - Soma de Depósitos: 3493.63 - Soma de Empréstimos: 886.85
Cliente: Germano Luiz de Paula - Soma de Depósitos: 104817.72 - Soma de Empréstimos: 1675.65
Cliente: Bruno Miranda Pacheco de Castro - Soma de Depósitos: 2512.88 - Soma de Empréstimos: 1139
.08
Cliente: Joaquim Carlos Reis - Soma de Depósitos: 498.56 - Soma de Empréstimos: 805.88
Cliente: Marco Aurélio Santos - Soma de Depósitos: 3164.44 - Soma de Empréstimos: 3775.6399999999
994
Cliente: Clayton Pereira Bonfim - Soma de Depósitos: 3231.84 - Soma de Empréstimos: 896.28
Releasing all open resources ...
```