Mise en oeuvre du JDBC

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Date: 2/1/2025

Cours: 020ENDES4 - Applications Distribuées

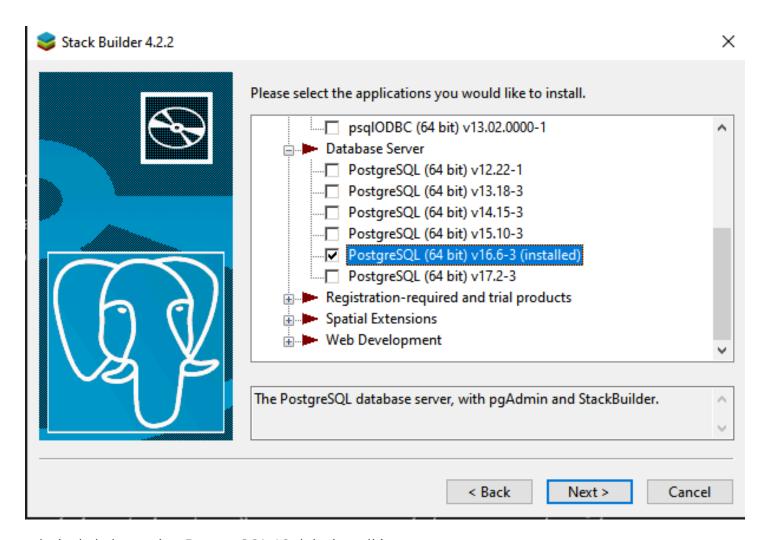
Environnement de Développement

Version de Java : OpenJDK 17Base de données : PostgreSQL 16

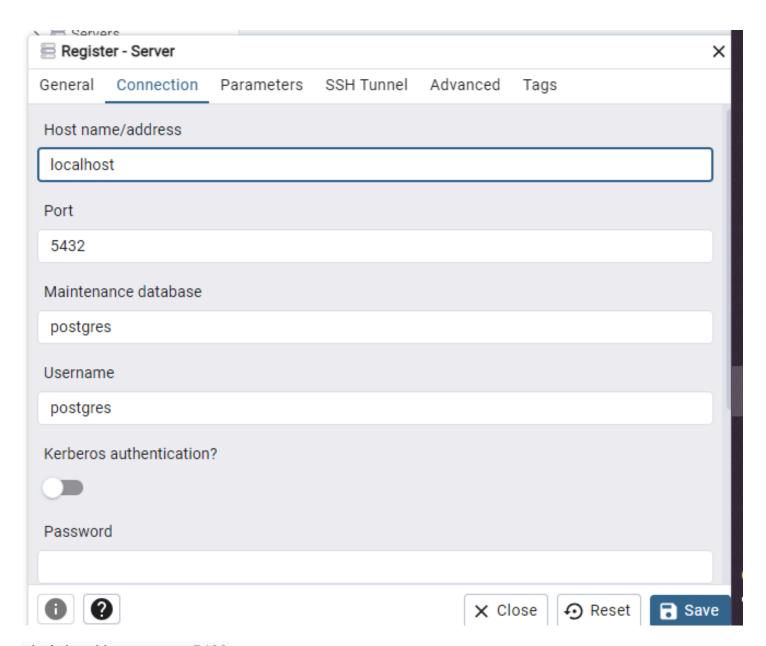
• Driver JDBC utilisé: postgresql-42.7.5.jar

• IDE utilisé: VS Code

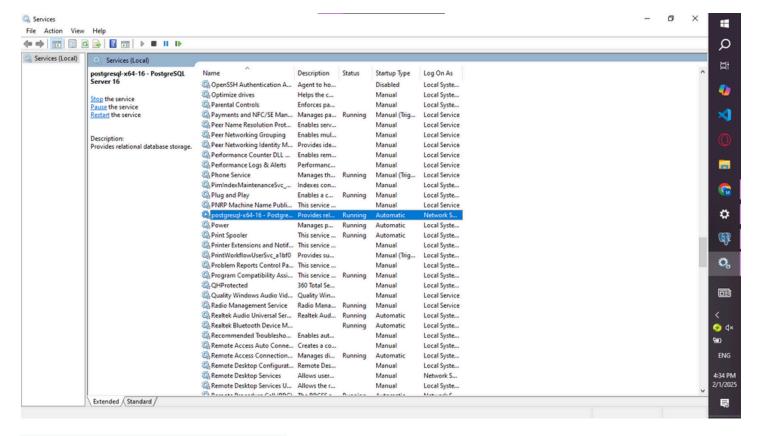
• Gestionnaire de versions : Git avec GitHub



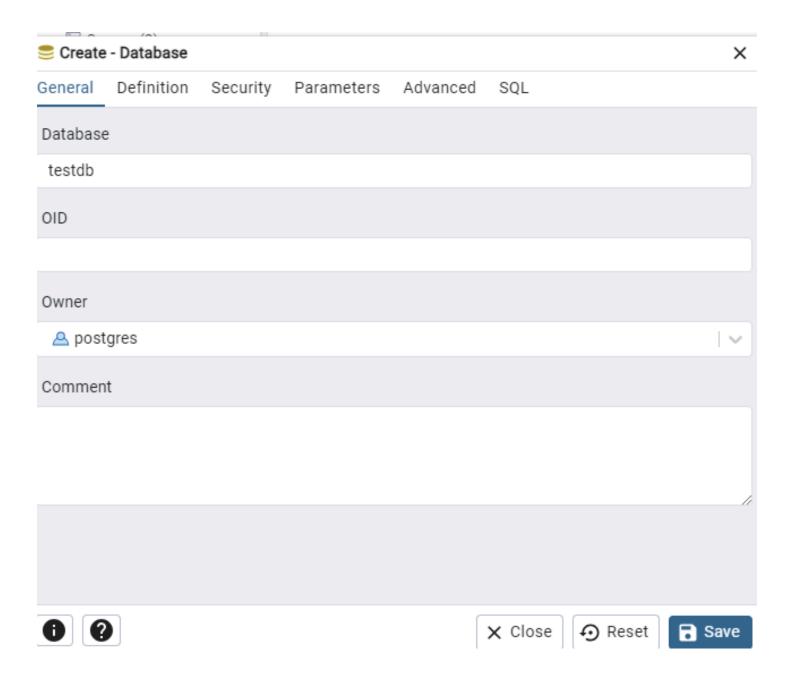
-choix de la la version PostgreSQL 16 deja installée



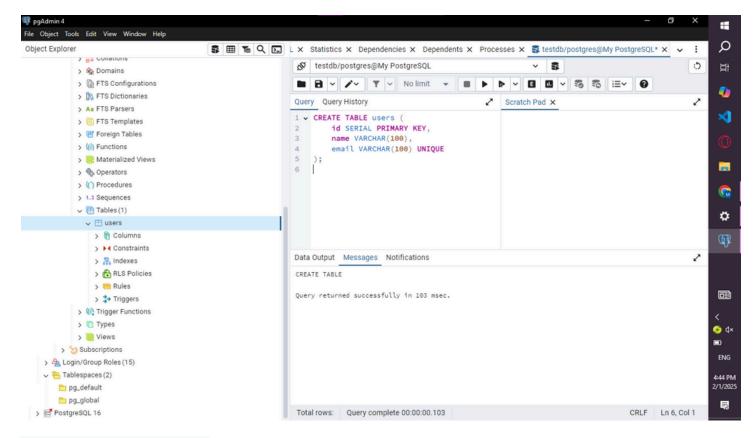
choix local host et port 5432



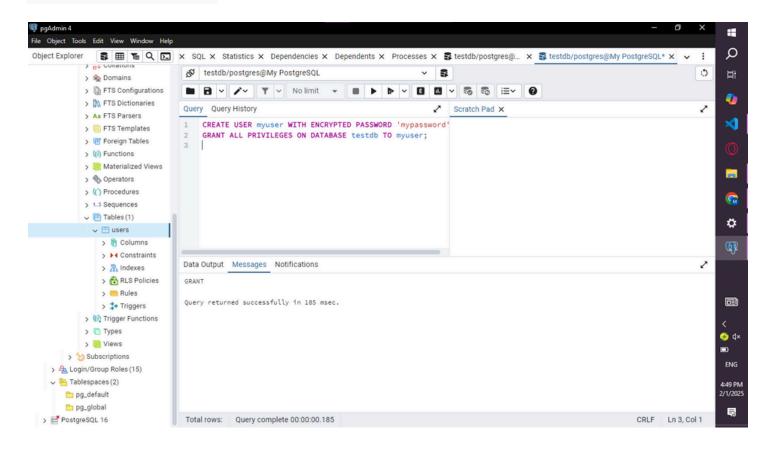
made sure that postgresql is running



creation de la db



-creation de la table users



-creation d'un user

Edit environment variable

C:\Users\User\AppData\Local\Programs\Python\Python310\Scripts\	New
C:\Users\User\AppData\Local\Programs\Python\Python310\	
C:\Users\User\AppData\Local\Programs\Python\Python313\Scripts\	Edit
C:\Users\User\AppData\Local\Programs\Python\Python313\	
C:\Users\User\AppData\Local\Programs\Python\Launcher\	Browse
%USERPROFILE%\AppData\Local\Microsoft\WindowsApps	
C:\Users\User\AppData\Local\Programs\Microsoft VS Code\bin	Delete
C:\msys64\ucrt64\bin	
C:\Program Files\Azure Data Studio\bin	
C:\Users\User\Downloads\python-3.12.3-embed-amd64.zip	Move Up
C:\ghcup\bin	
C:\Users\User\Downloads\jdk-22_windows-x64_bin\jdk-22.0.2\bin	Move Down
C:\Program Files\PostgreSQL\16\bin	
	Edit text
	Edit textiii
OK	Cancel

⁻ajout de la variable postgresql a la variable path

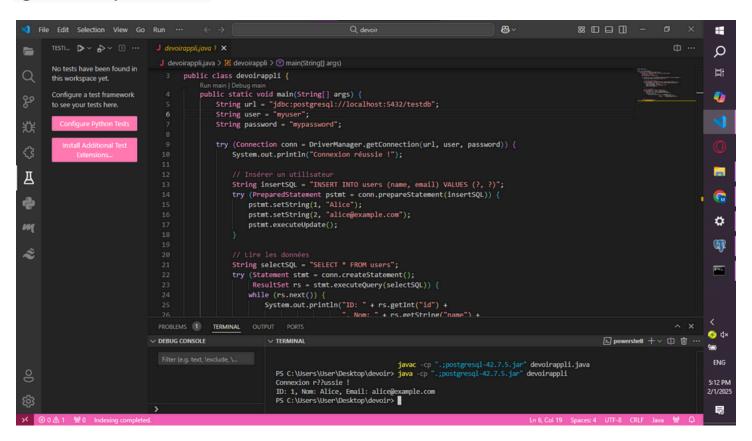
```
\blacksquare
ostgres=# psql -U testdb
ostgres-# \dp users
                                                                                                                                                                                                                      Q
Access privileges
Schema | Name | Type | Access privileges | Column privileges | Policies
                                                                                                                                                                                                                      4
ostgres-# GRANT ALL PRIVILEGES ON TABLE users TO myuser;
RROR: syntax error at or near "psql"
INE 1: psql -U testdb
                                                                                                                                                                                                                      ×
ostgres=# \c testdb
ostgress## (c testud)
ou are now connected to database "testdb" as user "postgres".
estdb=# \dp users
Access privileges

Schema | Name | Type | Access privileges | Column privileges | Policies
                                                                                                                                                                                                                     public | users | table |
                                                                                                                                                                                                                      C 
estdb=# GRANT ALL PRIVILEGES ON TABLE users TO myuser;
                                                                                                                                                                                                                      estdb=# \ds
List of relations
Schema | Name | Type | Owner
public | users_id_seq | sequence | postgres
                                                                                                                                                                                                                      (P
estdb=# GRANT ALL PRIVILEGES ON SEQUENCE users_id_seq TO myuser;
estdb=# \dp users_id_seq
                                             Access privileges | Column privileges | Policies

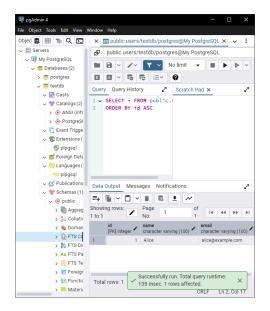
⊕ q×

             Name | Type |
Schema |
                                                                                                                                                                                                                    90
          users_id_seq | sequence | postgres=rwU/postgres+|
| myuser=rwU/postgres |
public
                                                                                                                                                                                                                     ENG
                                                                                                                                                                                                                    5:11 PM
                                                                                                                                                                                                                    2/1/2025
estdb=# _
                                                                                                                                                                                                                      曷
```

-garantir les permissions



-connexion reussite



-resultat apparait dans la db