ROYAUME DU MAROC

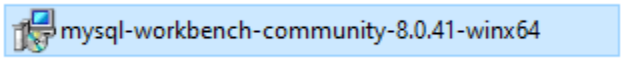
مكتب التكوين المهني وإنعاش الشغل

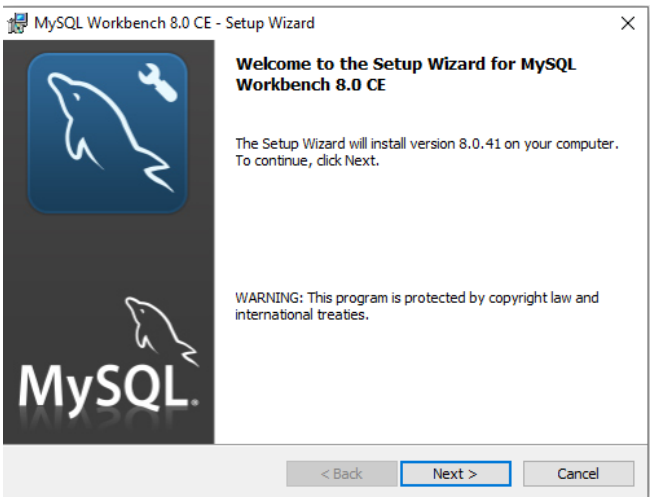
Office de la Formation Professionnelle et de la Promotion du Travail

Développement Digital
Manipuler des bases de données
TPN° 1 : Workbench et MySQL

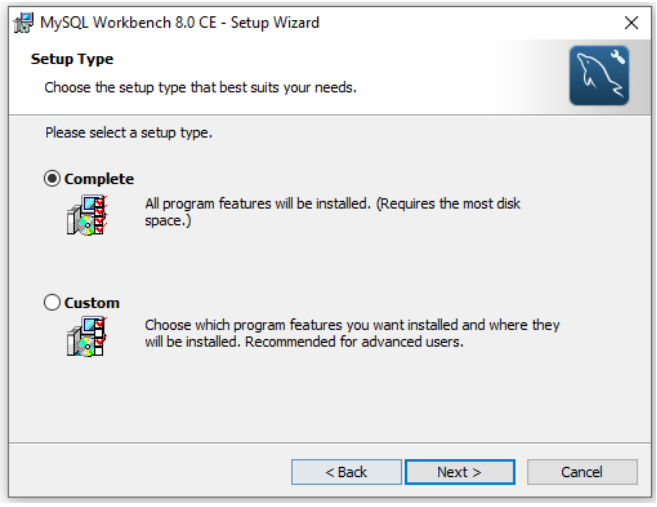
Étape 1 : Installation de MySQL Workbench

Exécutez le fichier d'installation et suivez l'assistant :





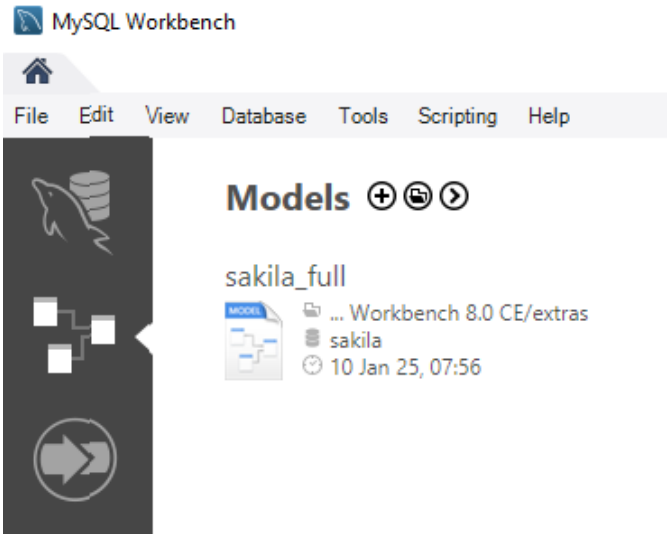
Sélectionnez **Complete** pour une installation par défaut :

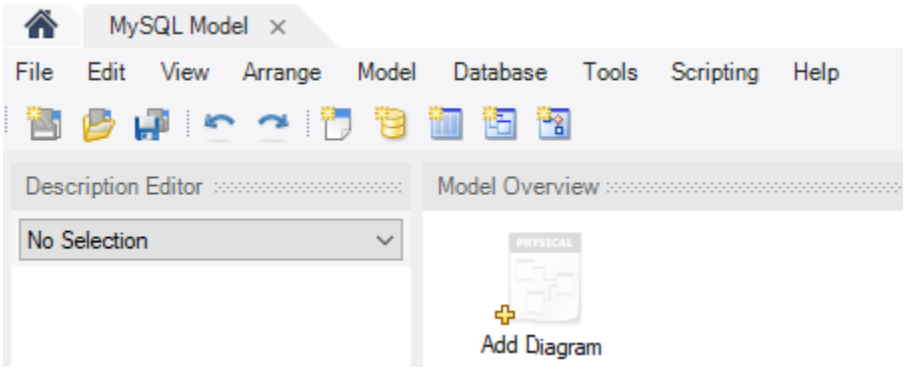


Cliquez sur **Next** puis **Install** pour terminer l'installation :

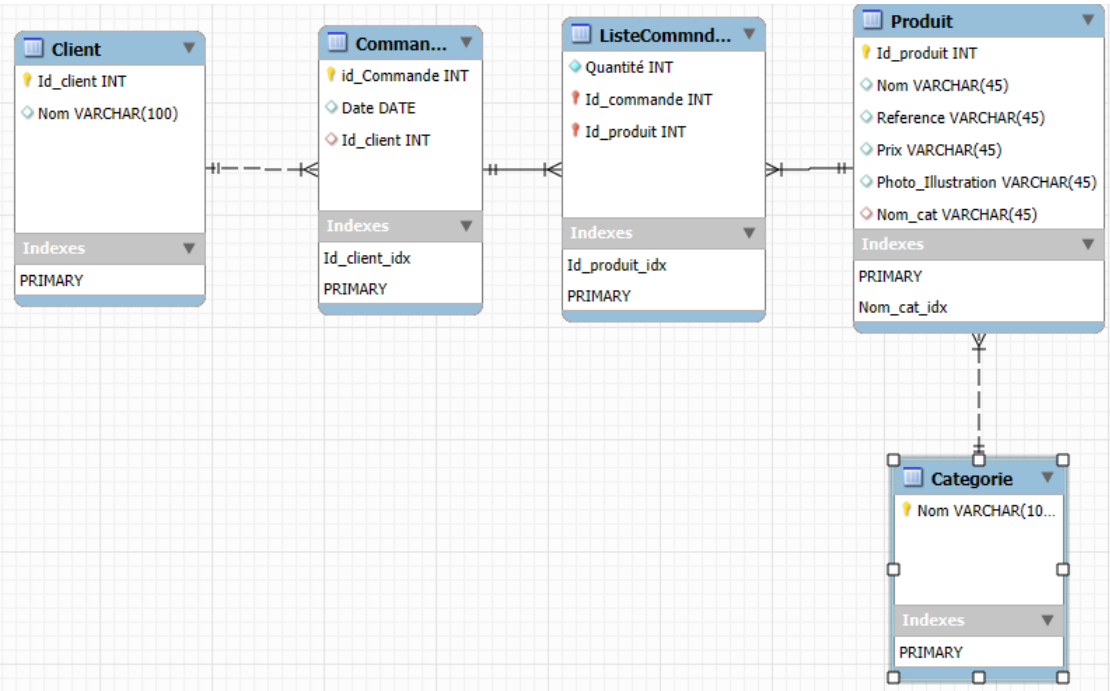
Étape 2 : Création d'un Modèle de Base de Données :

Lancez l'application et créez un nouveau modèle (**Add diagram**)



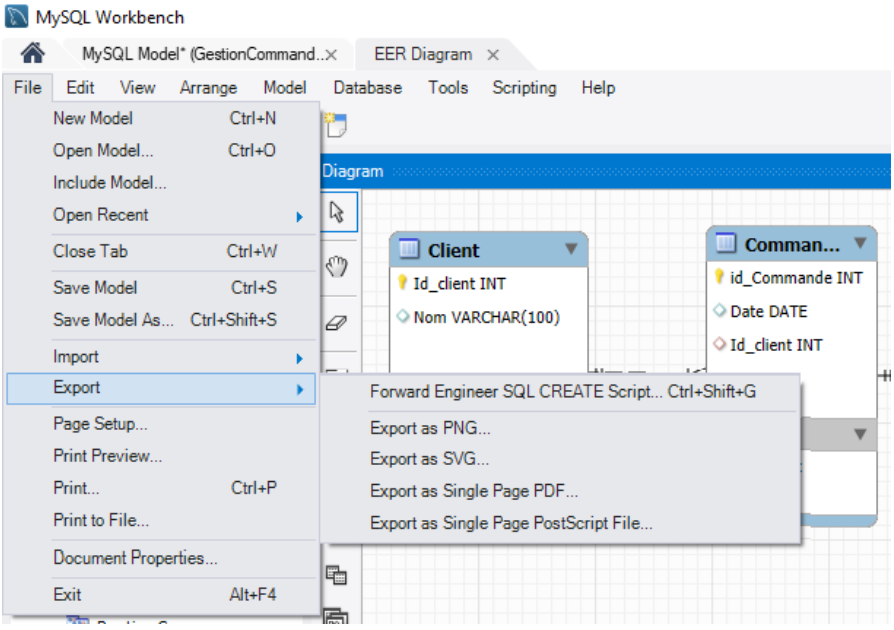


Cree le model ci-dessous sur Workbench

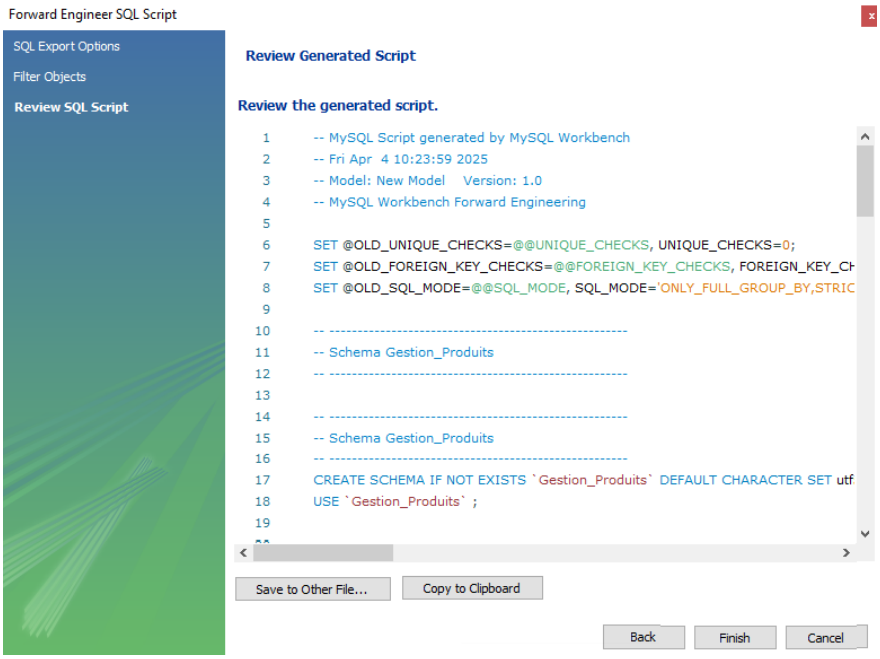


Étape 3 : Generation du Script SQL (Model physique de données)

Allez dans **File > Export > Forward Engineer SQL**



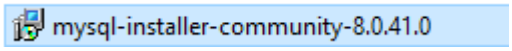
Cliquez sur **Next** pour générer le script



Copiez le script généré ou enregistrez-le dans un fichier (GestionCommandes.sql).

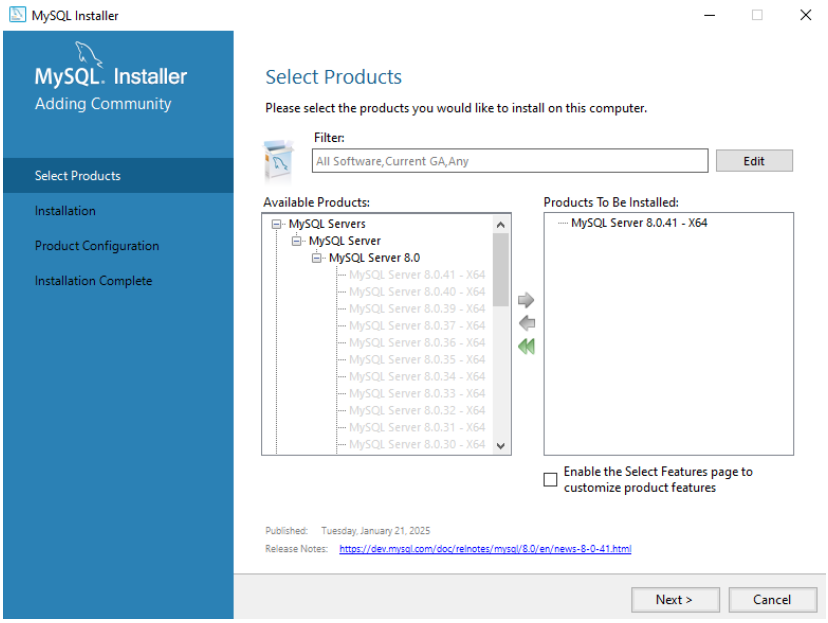
Étape 4 : Installation de MySQL Server

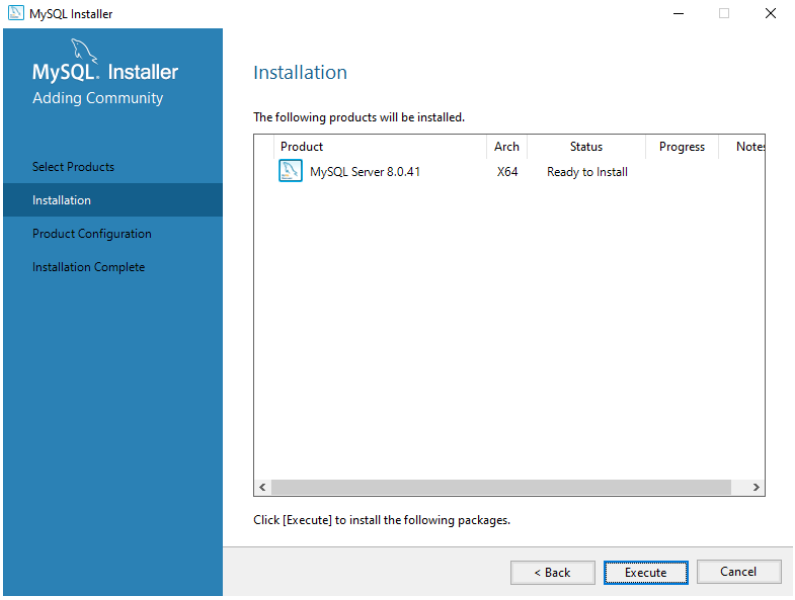
Lancez **MySQL installer 8.0.41**

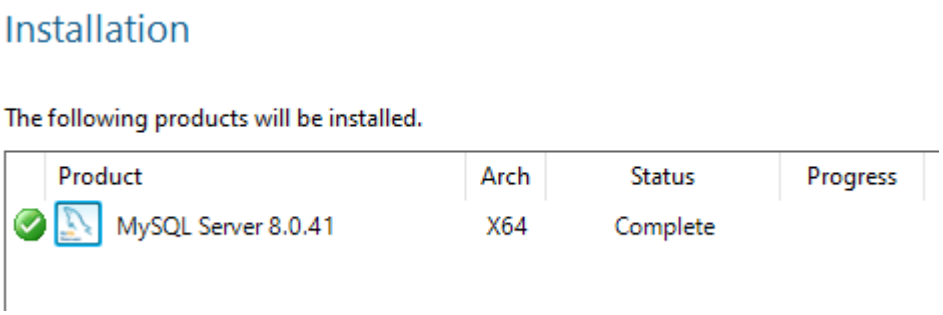


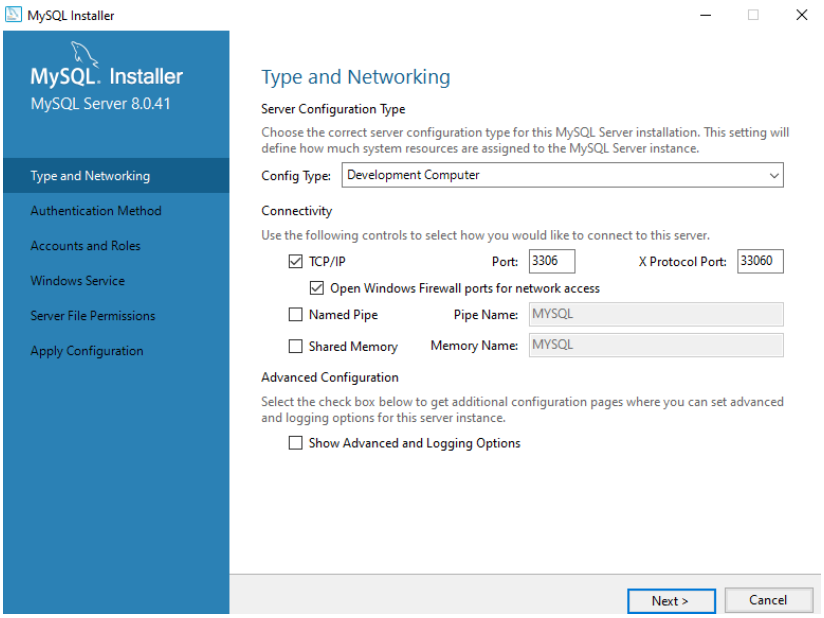
Cliquez sur Add

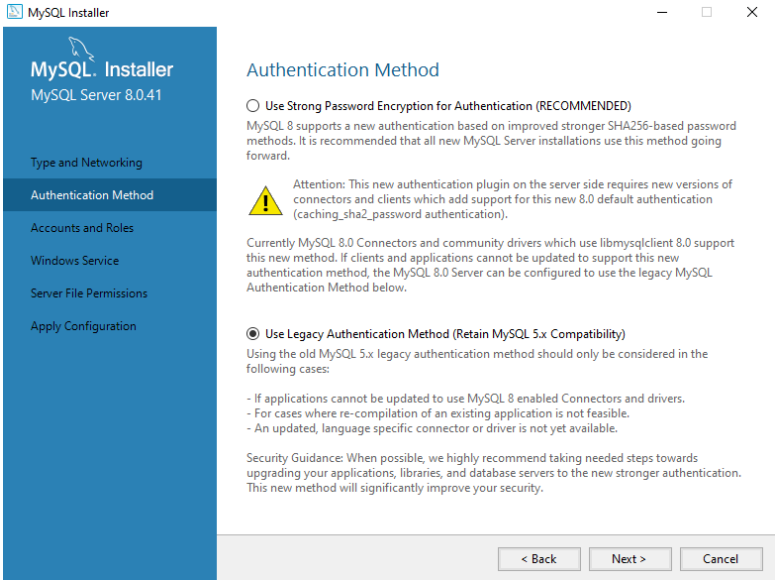
Choisissez **MySQL Server**

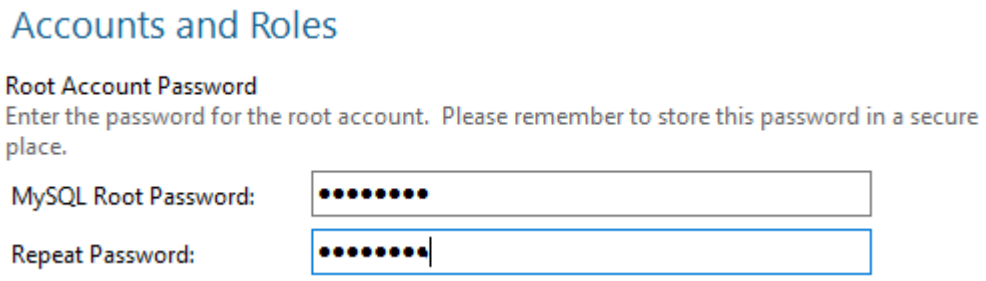

MySQL Installer
MySQL. Installer
Adding Community
Select Products
Installation
Product Configuration
Installation Complete
Select Products
Please select the products you would like to install on this computer.
Filter:
All Software,Current GA,Any
Edit
Available Products:
MySQL Servers
MySQL Server
MySQL Server 8.0
MySQL Server 8.0.41 - X64
MySQL Server 8.0.40 - X64
MySQL Server 8.0.39 - X64
MySQL Server 8.0.37 - X64
MySQL Server 8.0.36 - X64
MySQL Server 8.0.35 - X64
MySQL Server 8.0.34 - X64
MySQL Server 8.0.33 - X64
MySQL Server 8.0.32 - X64
MySQL Server 8.0.31 - X64
MySQL Server 8.0.30 - X64
Products To Be Installed:
MySQL Server 8.0.41 - X64
Enable the Select Features page to customize product features
Published: Tuesday, January 21, 2025
Release Notes: https://dev.mysql.com/doc/relnotes/mysql/8.0/en/news-8-0-41.html
Next >
Cancel

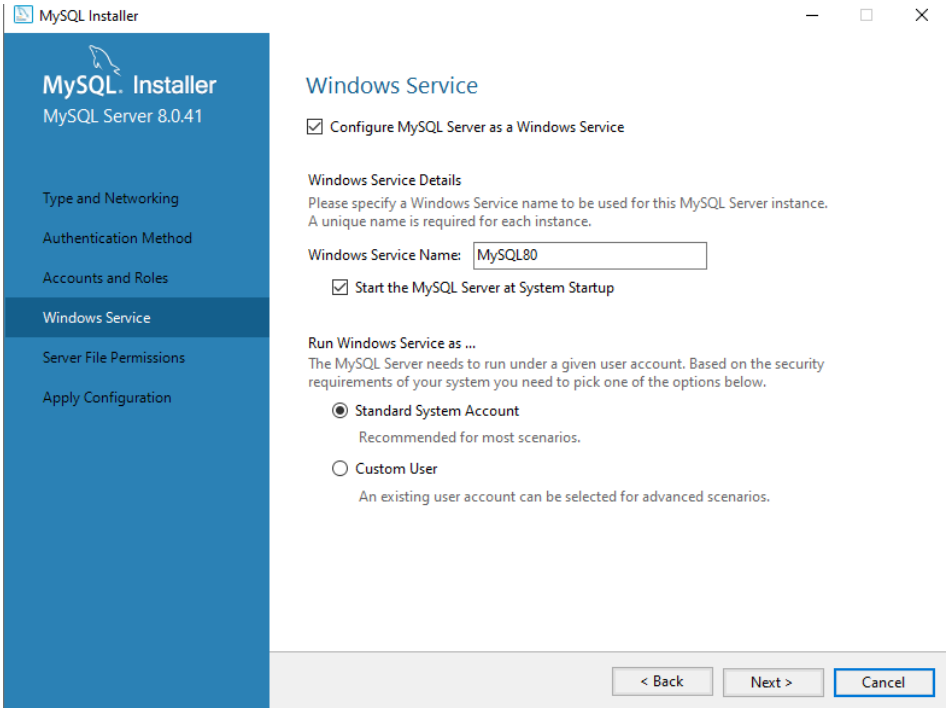

MySQL Installer
MySQL. Installer
Adding Community
Select Products
Installation
Product Configuration
Installation Complete
Installation
The following products will be installed.
Product
Arch
Status
Progress
Note
MySQL Server 8.0.41
X64
Ready to Install
Click [Execute] to install the following packages.
< Back
Execute
Cancel

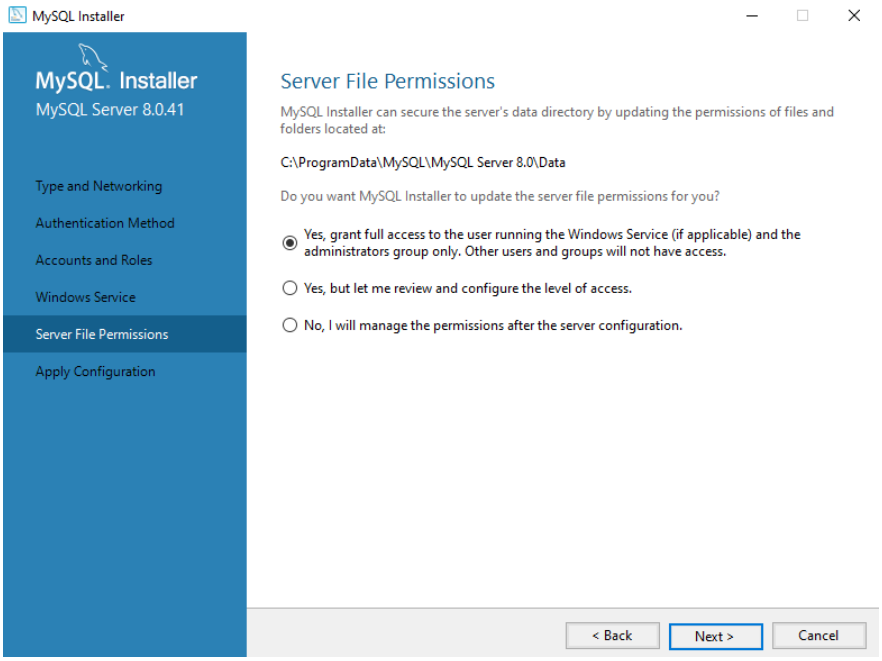

Installation
The following products will be installed.
Product
Arch
Status
Progress
MySQL Server 8.0.41
X64
Complete


MySQL Installer
MySQL. Installer
MySQL Server 8.0.41
Type and Networking
Authentication Method
Accounts and Roles
Windows Service
Server File Permissions
Apply Configuration
Type and Networking
Server Configuration Type
Choose the correct server configuration type for this MySQL Server installation. This setting will define how much system resources are assigned to the MySQL Server instance.
Config Type: Development Computer
Connectivity
Use the following controls to select how you would like to connect to this server.
TCP/IP
Port: 3306
X Protocol Port: 33060
Open Windows Firewall ports for network access
Named Pipe
Pipe Name: MYSQL
Shared Memory
Memory Name: MYSQL
Advanced Configuration
Select the check box below to get additional configuration pages where you can set advanced and logging options for this server instance.
Show Advanced and Logging Options
Next >
Cancel


MySQL Installer
MySQL. Installer
MySQL Server 8.0.41
Type and Networking
Authentication Method
Accounts and Roles
Windows Service
Server File Permissions
Apply Configuration
Authentication Method
Use Strong Password Encryption for Authentication (RECOMMENDED)
MySQL 8 supports a new authentication based on improved stronger SHA256-based password methods. It is recommended that all new MySQL Server installations use this method going forward.
Attention: This new authentication plugin on the server side requires new versions of connectors and clients which add support for this new 8.0 default authentication (caching_sha2_password authentication).
Currently MySQL 8.0 Connectors and community drivers which use libmysqlclient 8.0 support this new method. If clients and applications cannot be updated to support this new authentication method, the MySQL 8.0 Server can be configured to use the legacy MySQL Authentication Method below.
Use Legacy Authentication Method (Retain MySQL 5.x Compatibility)
Using the old MySQL 5.x legacy authentication method should only be considered in the following cases:
- If applications cannot be updated to use MySQL 8 enabled Connectors and drivers.
- For cases where re-compilation of an existing application is not feasible.
- An updated, language specific connector or driver is not yet available.
Security Guidance: When possible, we highly recommend taking needed steps towards upgrading your applications, libraries, and database servers to the new stronger authentication. This new method will significantly improve your security.
< Back
Next >
Cancel


Accounts and Roles
Root Account Password
Enter the password for the root account. Please remember to store this password in a secure place.
MySQL Root Password:
Repeat Password:

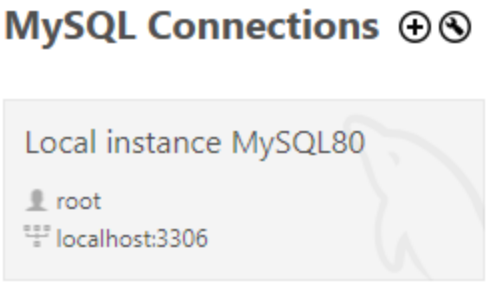




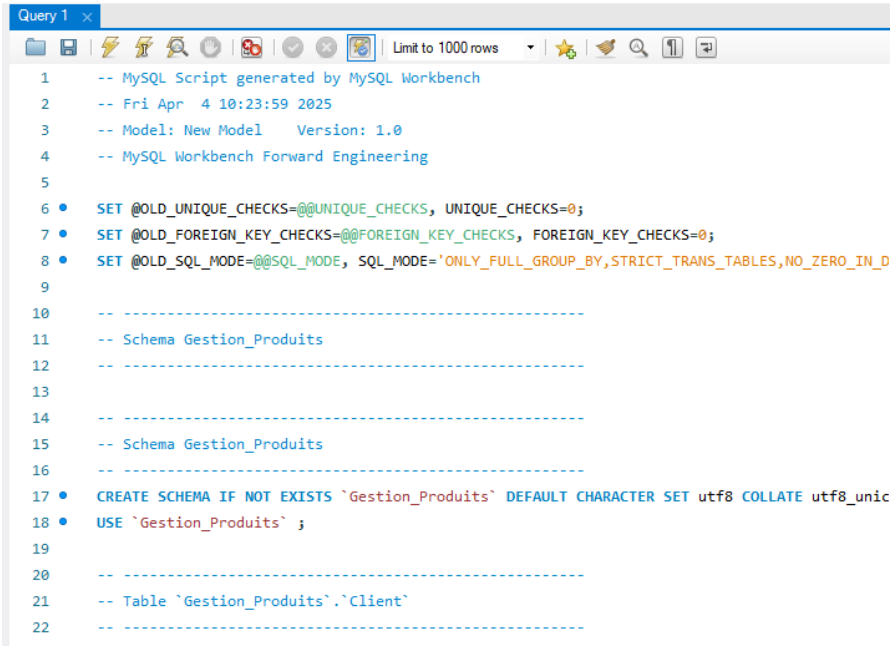
Cliquez sur **Execute** puis **Finish** pour terminer l'installation.

Étape 5 : Création de la Base de Données

Ouvrez une nouvelle connexion à Local instance MySQL80

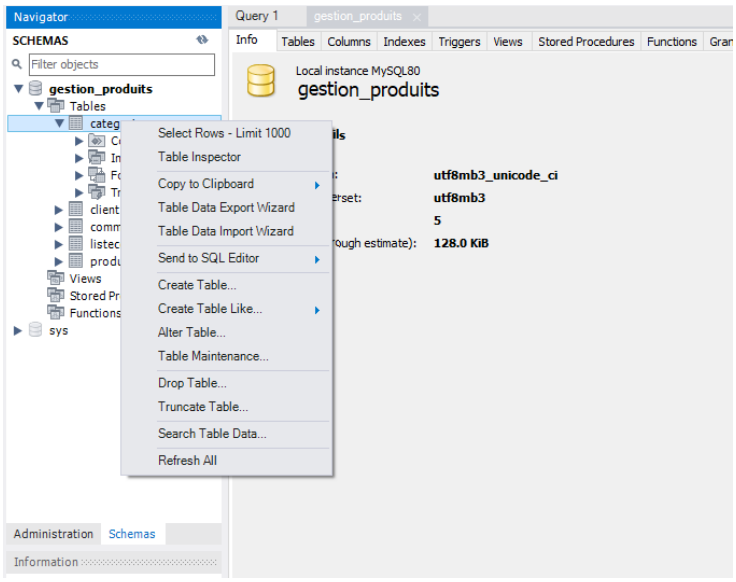


Ouvrez le fichier GestionCommandes.sql et exécutez-le (**Query > Execute**)

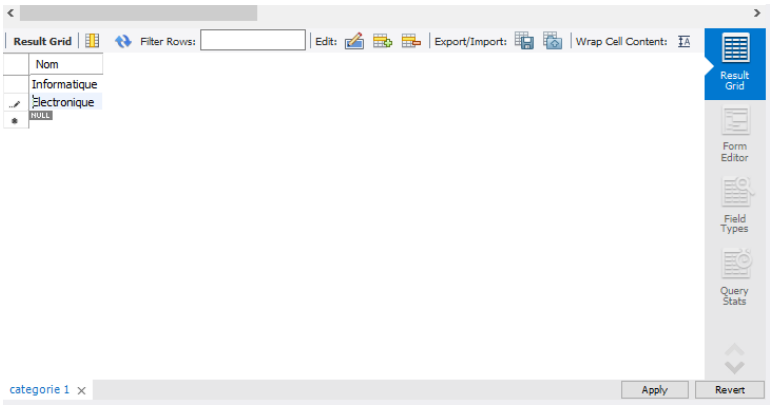


Étape 6 : Insertion des Données

Cliquez sur **Tables** > **Categogie**

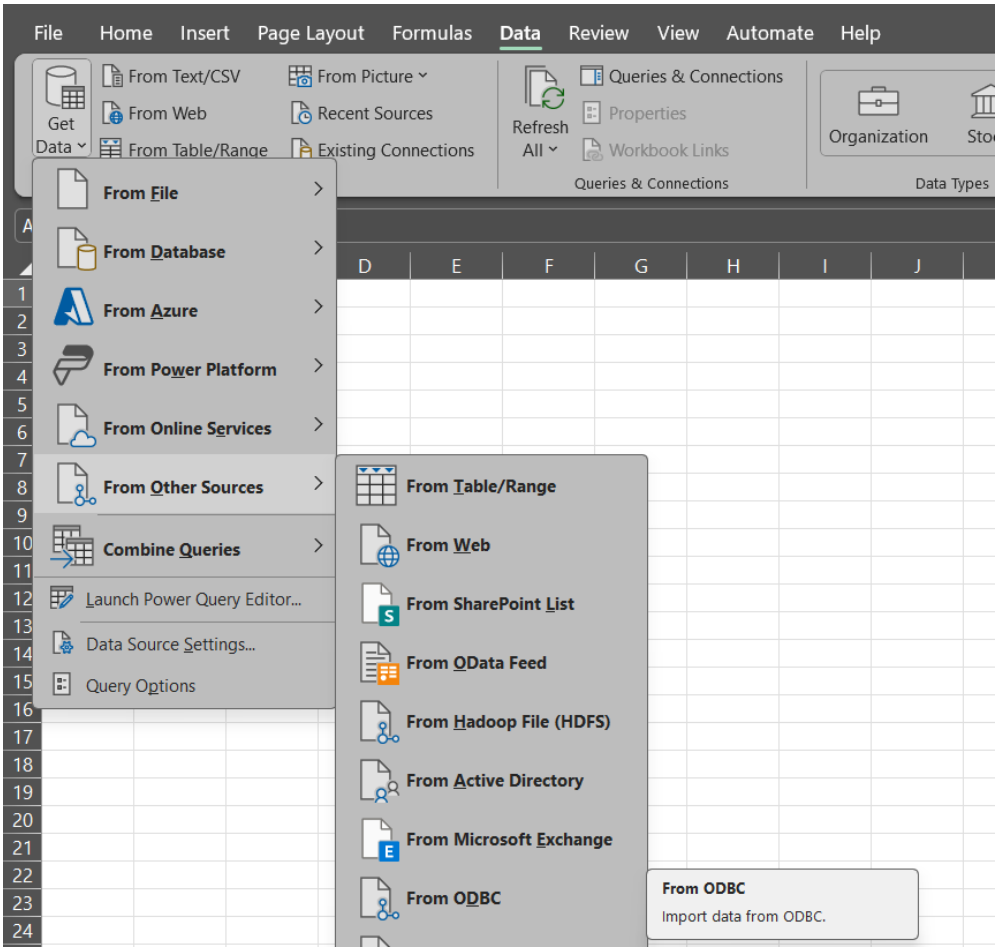


Ajouter les deux enregistrements (Informatique , Electronique) dans la table categorie



Étape 7 : Connexion Excel au Database :

Utilisez **Data > Get Data > From ODBC** pour lier Excel à la base


File
Home
Insert
Page Layout
Formulas
Data
Review
View
Automate
Help
Get Data
From Text/CSV
From Web
From Table/Range
From Picture
Recent Sources
Existing Connections
Refresh All
Queries & Connections
Properties
Workbook Links
Queries & Connections
Organization
Data Types
From File
From Database
From Azure
From Power Platform
From Online Services
From Other Sources
Combine Queries
Launch Power Query Editor...
Data Source Settings...
Query Options
From Table/Range
From Web
From SharePoint List
From OData Feed
From Hadoop File (HDFS)
From Active Directory
From Microsoft Exchange
From ODBC
From ODBC
Import data from ODBC.