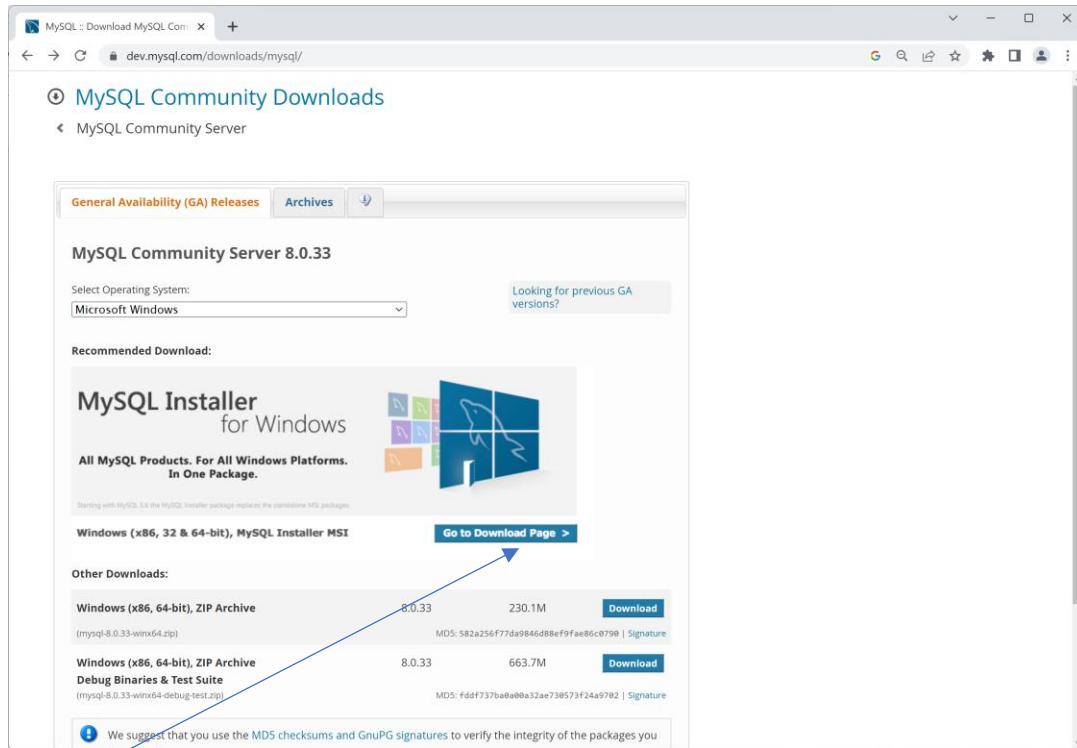
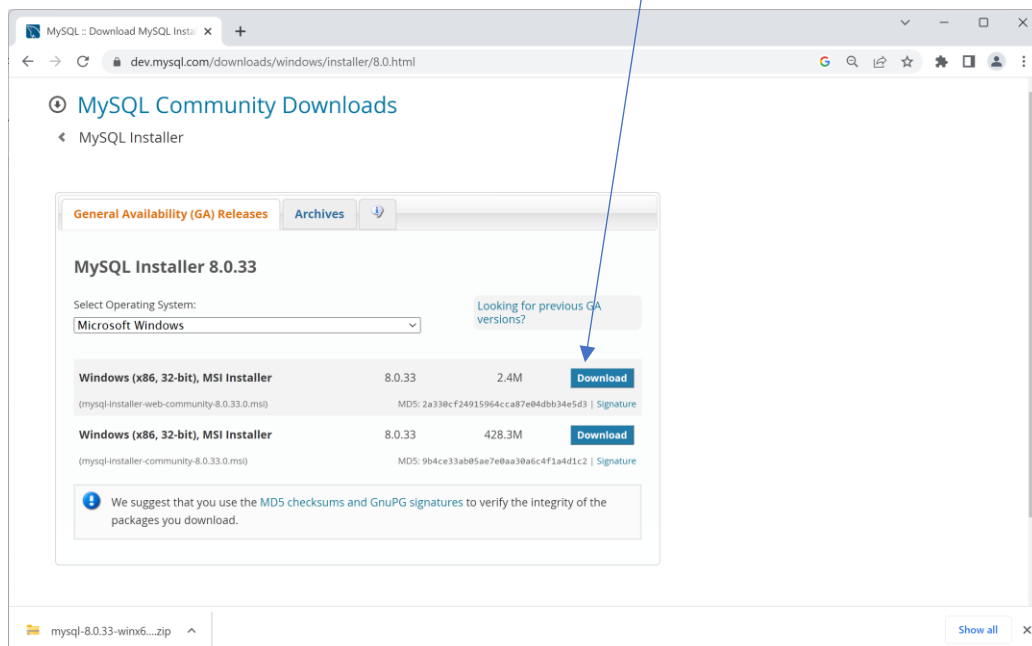


## Installing MySQL Community Edition – Creating a Database in it

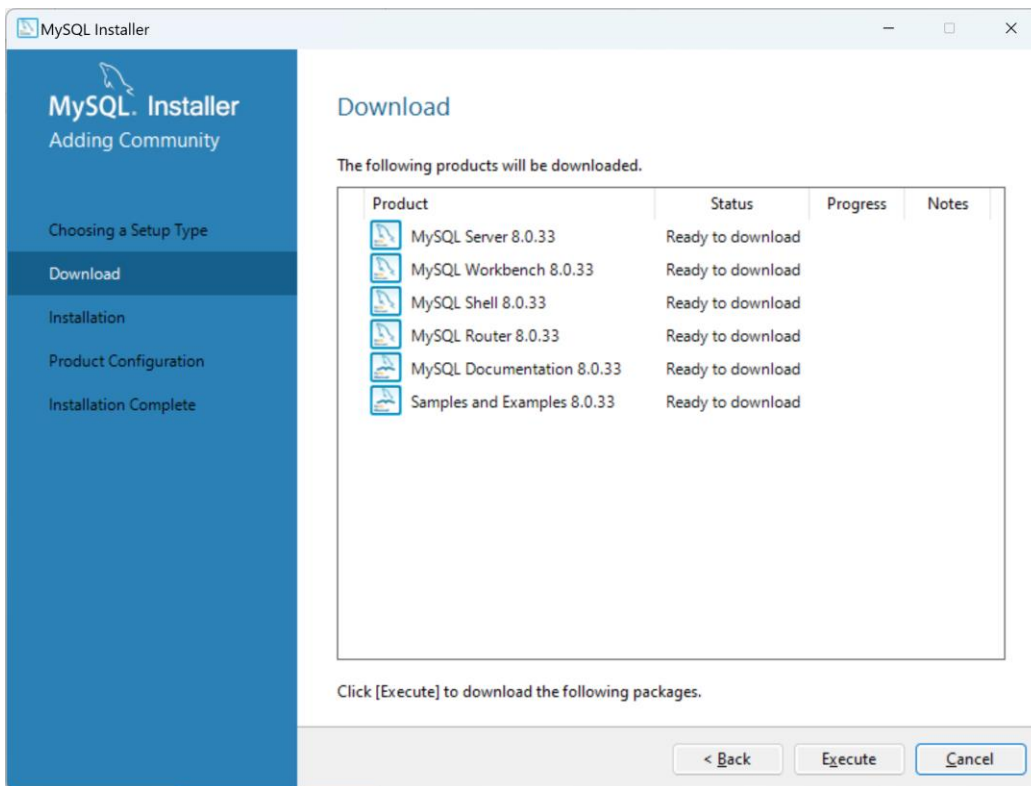
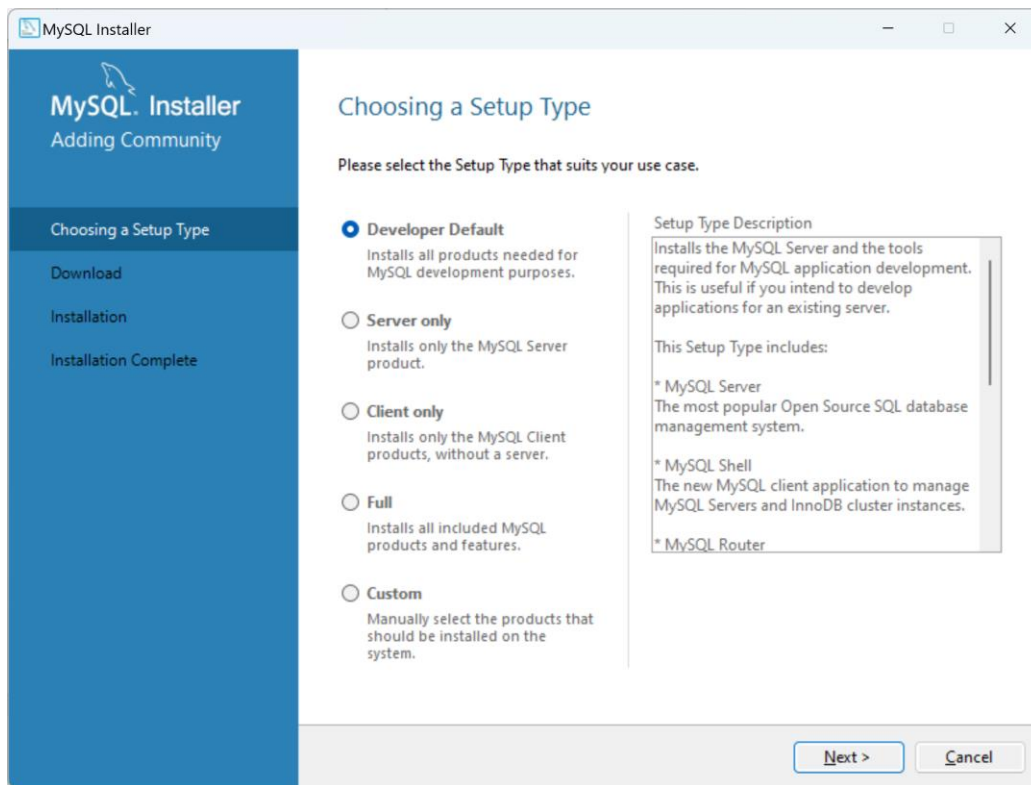
Search for “download MySQL Community” and download and install the latest version of MySQL Community Server.



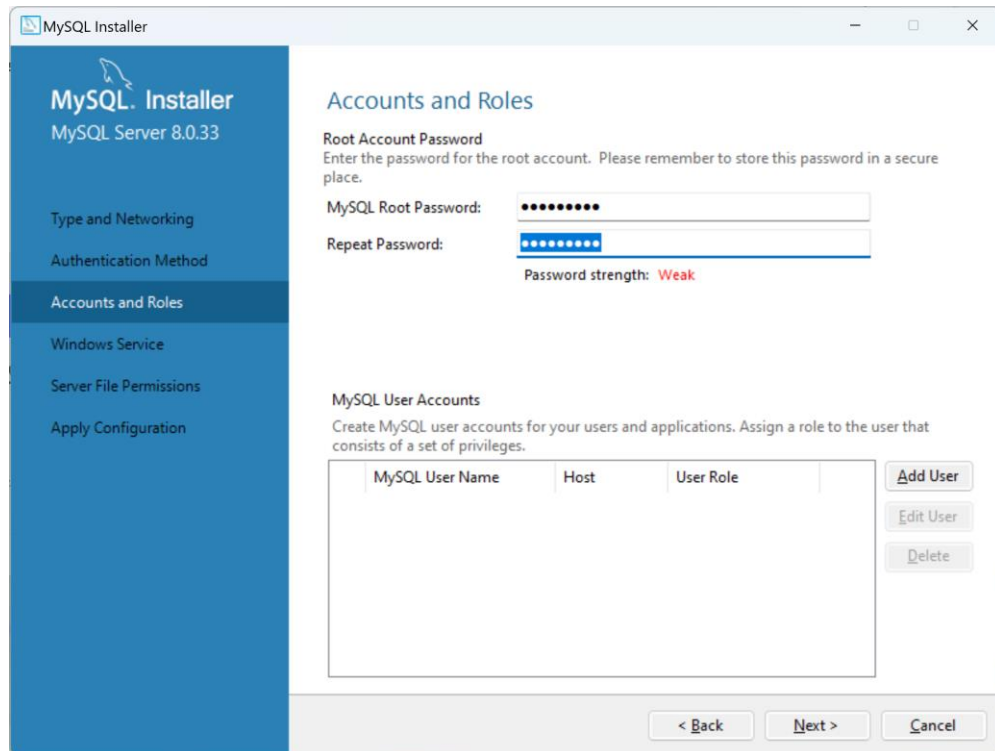
Click on Go to download page, then click on the download button.



Skip the sign up in the next screen and choose, continue to download. Then launch the downloaded installer and follow the instructions.



In one of the steps, you will be asked to select a password for your database server. Make sure you remember the password you select.



The screenshot shows the 'Accounts and Roles' step of the MySQL Installer. The left sidebar lists the installation steps: Type and Networking, Authentication Method, Accounts and Roles (selected), Windows Service, Server File Permissions, and Apply Configuration. The main area is titled 'Accounts and Roles' and contains the 'Root Account Password' section. It prompts the user to enter a password for the root account and repeat it. The password strength is indicated as 'Weak'. Below this is the 'MySQL User Accounts' section, which allows creating user accounts and assigning roles. A table with columns 'MySQL User Name', 'Host', and 'User Role' is shown, along with 'Add User', 'Edit User', and 'Delete' buttons. At the bottom are 'Back', 'Next >', and 'Cancel' buttons.

MySQL Installer

MySQL Server 8.0.33

Type and Networking

Authentication Method

Accounts and Roles

Windows Service

Server File Permissions

Apply Configuration

### 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:

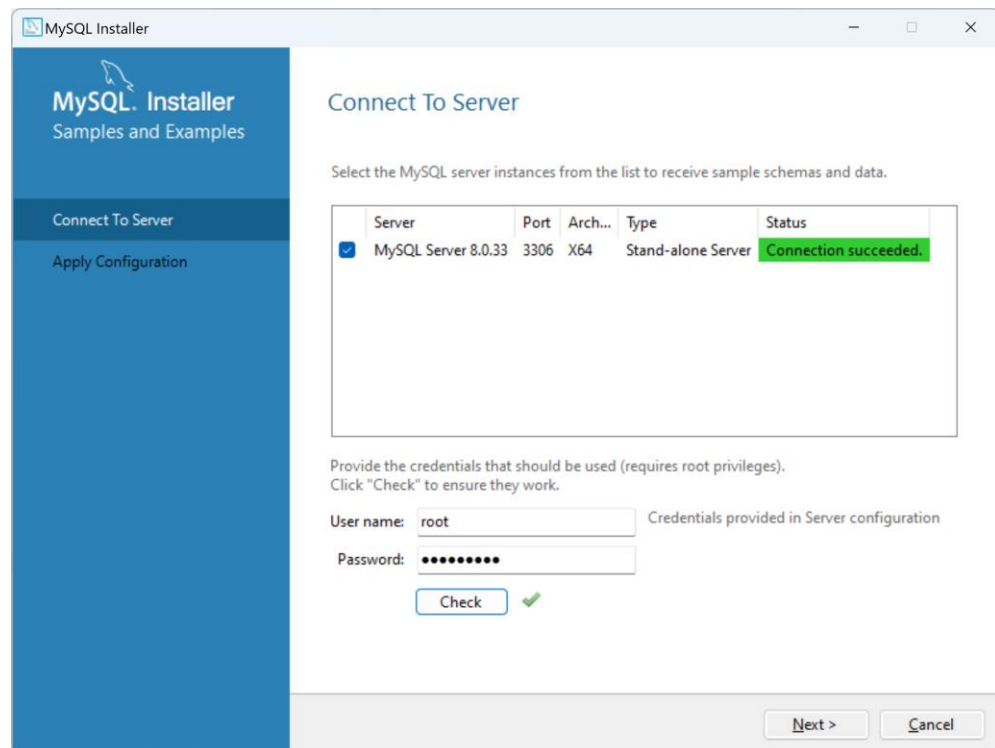
Repeat Password:

Password strength: **Weak**

**MySQL User Accounts**  
Create MySQL user accounts for your users and applications. Assign a role to the user that consists of a set of privileges.

MySQL User Name	Host	User Role
-----------------	------	-----------

< Back Next > Cancel



The screenshot shows the 'Connect To Server' step of the MySQL Installer. The left sidebar lists the installation steps: Connect To Server (selected) and Apply Configuration. The main area is titled 'Connect To Server' and prompts the user to select MySQL server instances from a list to receive sample schemas and data. A table with columns 'Server', 'Port', 'Arch...', 'Type', and 'Status' is shown. The first row, 'MySQL Server 8.0.33', is selected and its status is 'Connection succeeded'. Below the table, the user is prompted to provide credentials (requires root privileges) and click 'Check' to ensure they work. The 'User name' is 'root' and the 'Password' is masked. A 'Check' button with a green checkmark is shown. At the bottom are 'Next >' and 'Cancel' buttons.

MySQL Installer

MySQL Server 8.0.33

Connect To Server

Apply Configuration

### Connect To Server

Select the MySQL server instances from the list to receive sample schemas and data.

Server	Port	Arch...	Type	Status
<input checked="" type="checkbox"/> MySQL Server 8.0.33	3306	X64	Stand-alone Server	Connection succeeded.

Provide the credentials that should be used (requires root privileges). Click "Check" to ensure they work.

User name:  Credentials provided in Server configuration

Password:

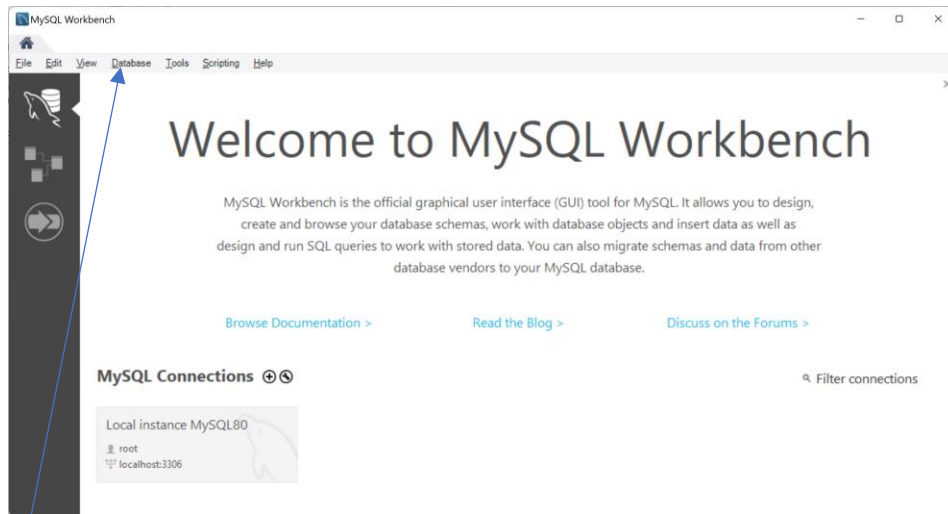
☒

Next > Cancel

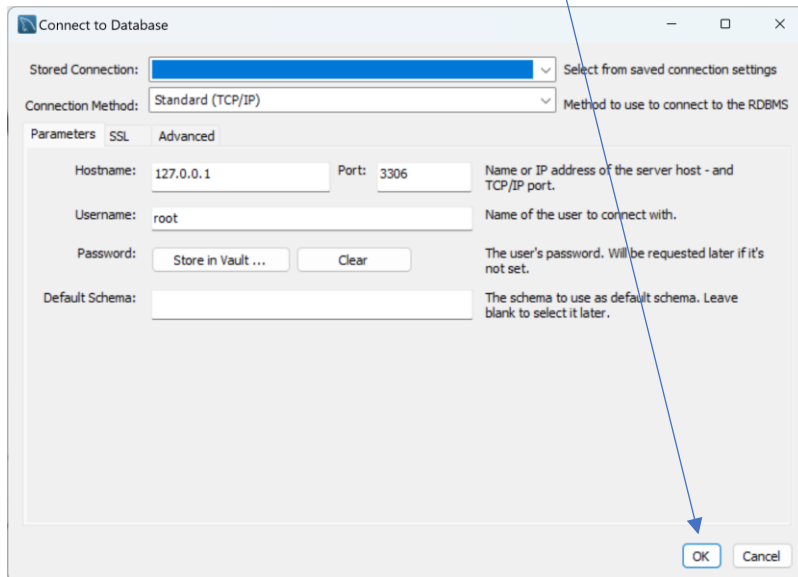
Once the MySQL is installed, you can launch the MySQL workbench to start creating databases.

## Creating the MySQL ProductsDB database:

Launch MsSql workbench.



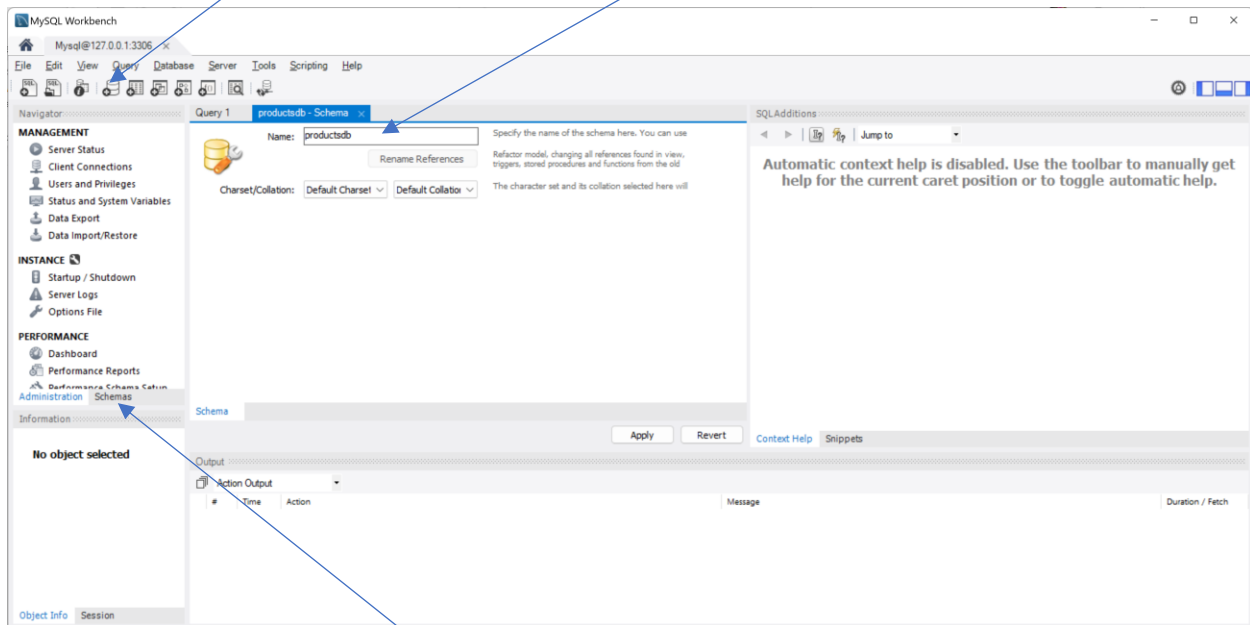
From the Database menu, choose connect to database, then click OK.



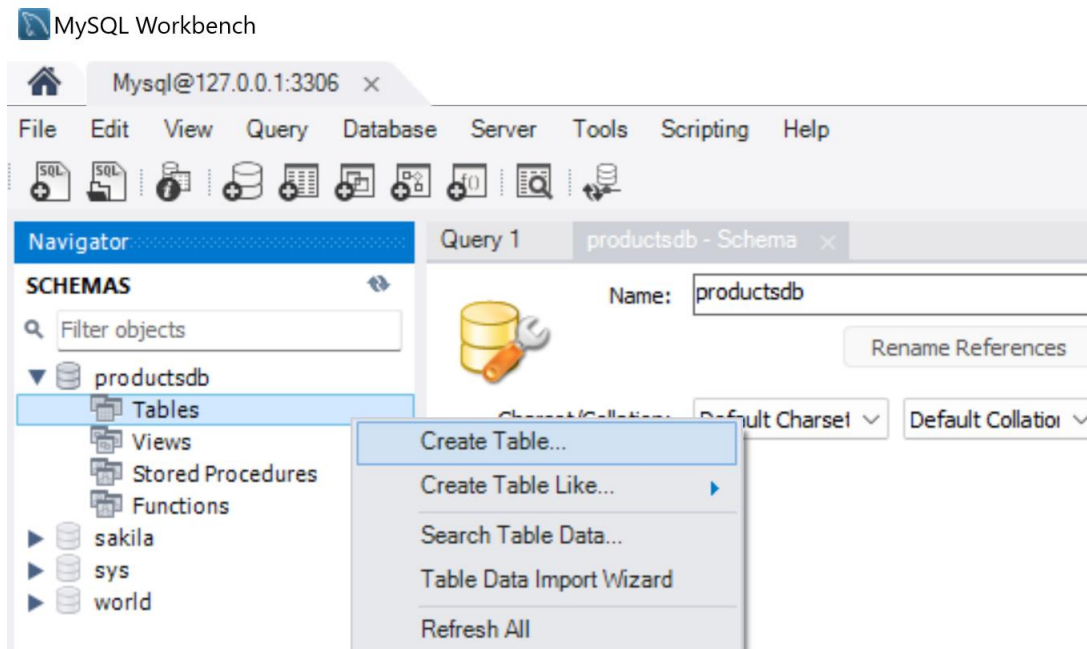
It will ask you to specify the password for root user (this is the password you had set up for MySQL when you installed it).



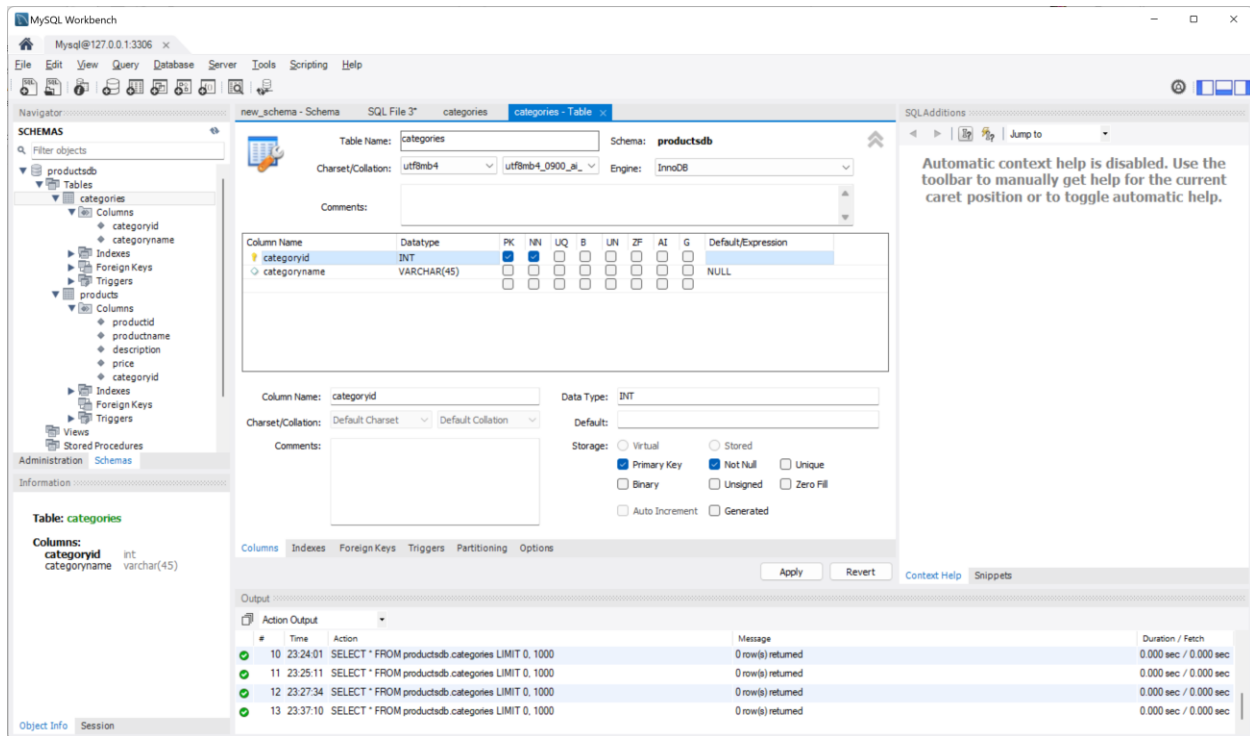
Click on the “Create a new schema”, then choose the name productsdb as shown below, and click Apply. It will further ask for confirmation of the creation of schema.



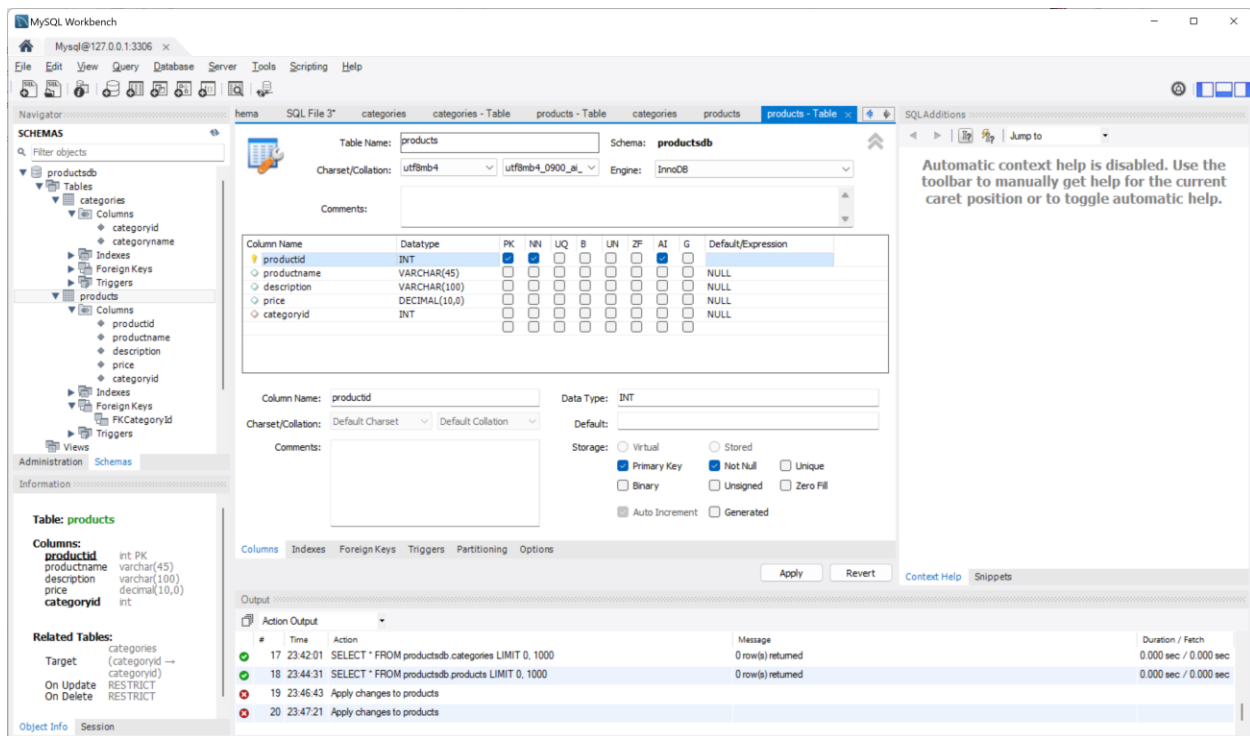
Once schema is created, switch to schemas tab to see the newly created database. Expand the productsdb. Then right click on Tables and choose Create Table as shown below.



Then specify the table name as categories and the column names as shown below.

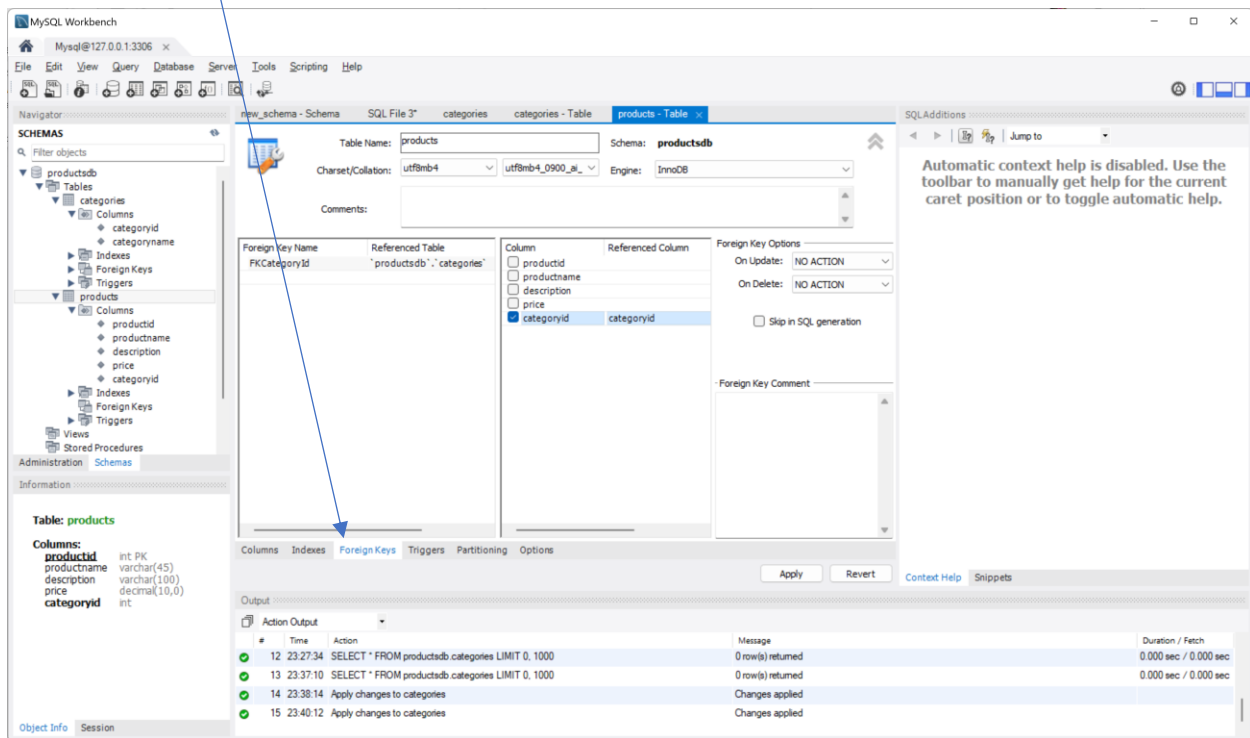


Once you click Apply, it will go through the steps to create the table. Similarly, create the products table as shown below.

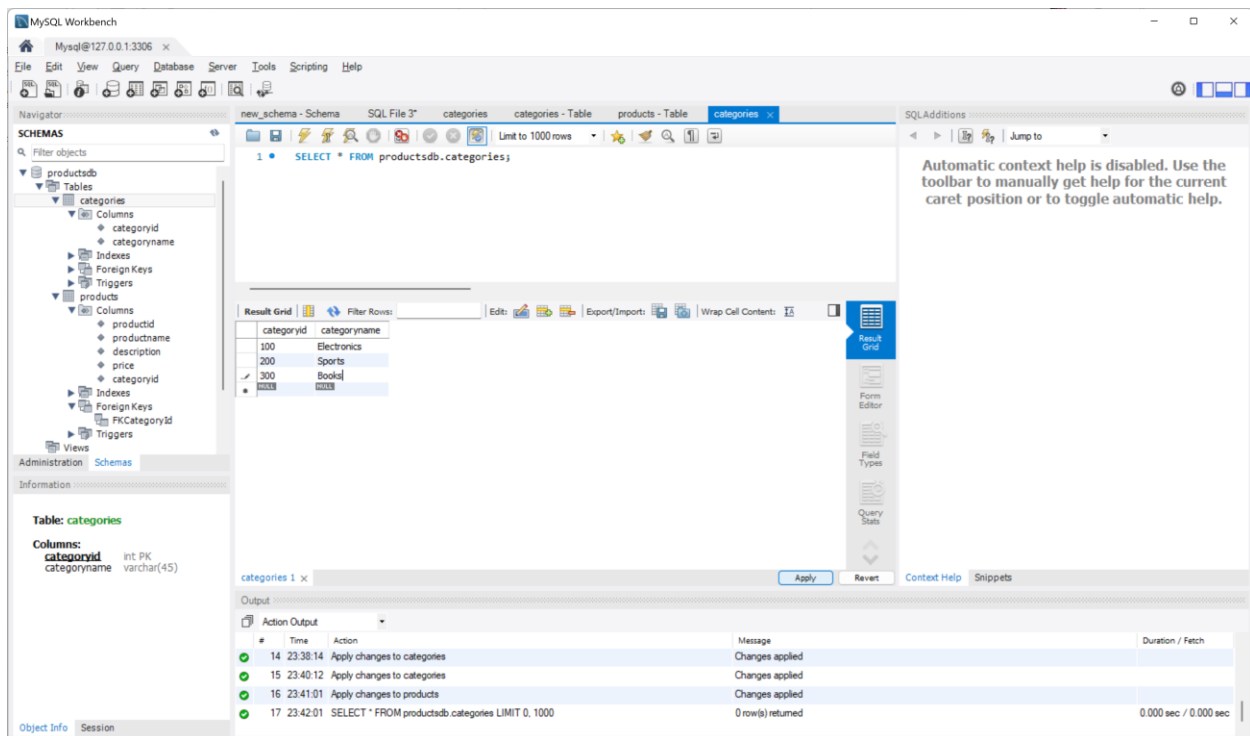


To add the primary-foreign key constraint for the categoryid in categories table to the categoryid in products table, right click on products table, and choose alter table.

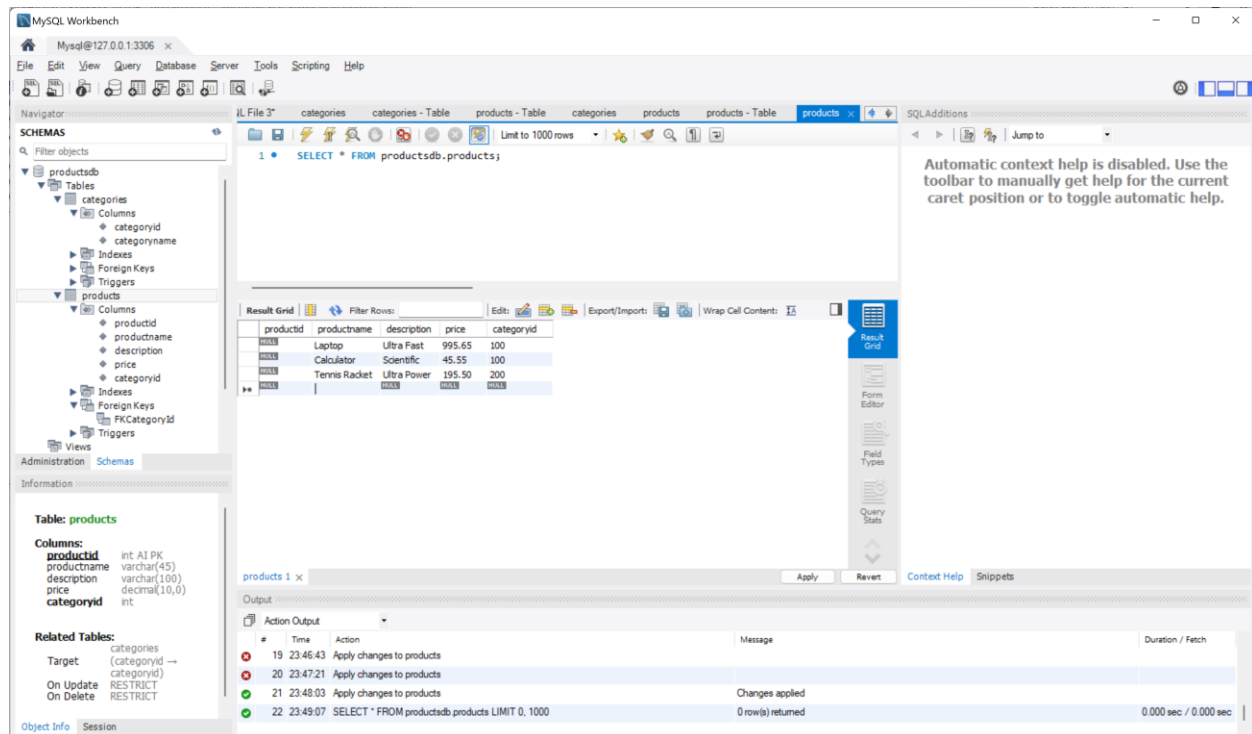
The from the Foreign key tab, type the following and click Apply.



Now, we can enter some data in the Categories and the Products table as. Right click on the Categories table and choose select rows. Then type the following data in it.



Similarly, right click on the Products table and choose select rows, then type the following data in it, and then click Apply.



Now our database productsdb is ready and we can create a web app or a desktop app to communicate with the database.