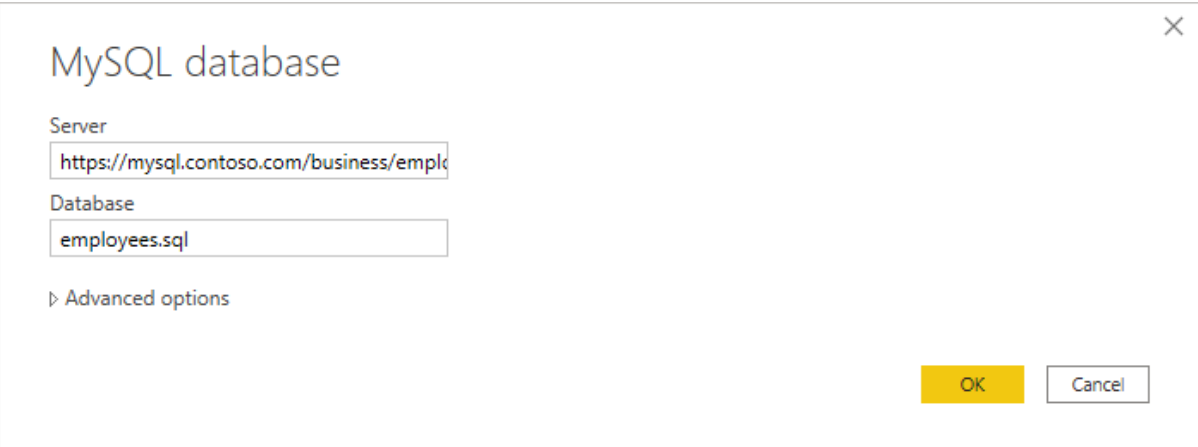


EXP.NO: 1.a	Import Data into Power BI desktop and perform basic operations	Name:
DATE:		Roll no:

Downloading and Connecting MYSQL with POWERBI

To make the connection, take the following steps:

1. Select the MySQL database option in the connector selection.
2. In the MySQL database dialog, provide the name of the server and database.



MySQL database

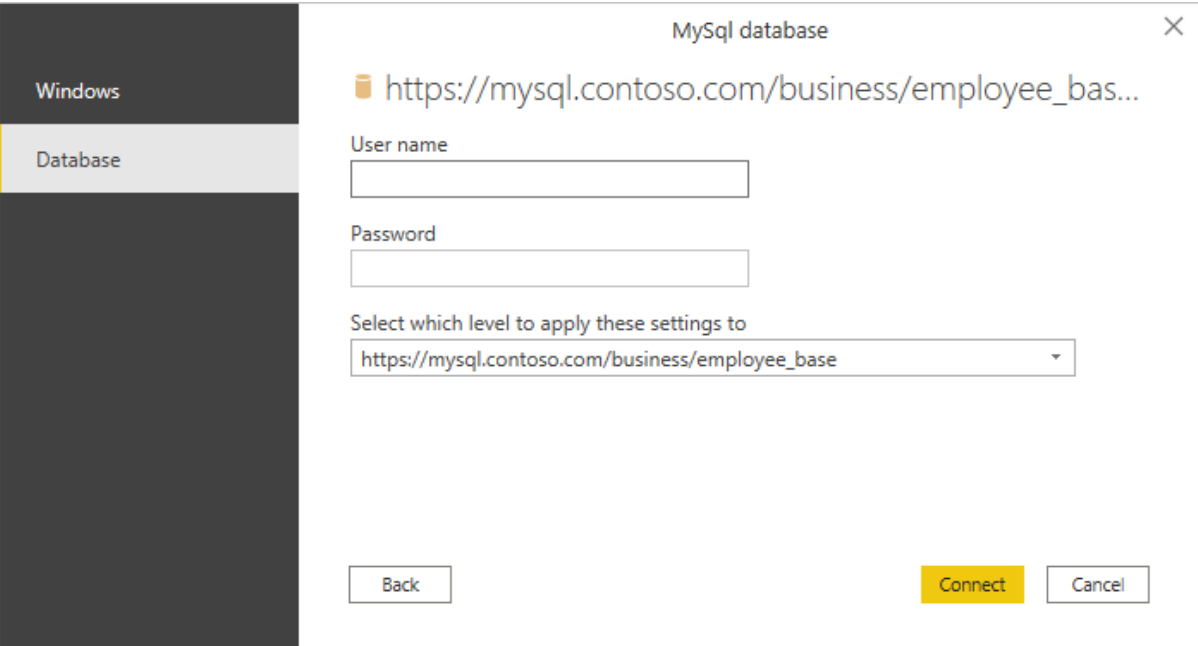
Server
https://mysql.contoso.com/business/empl...

Database
employees.sql

Advanced options

OK Cancel

3. Select the Database authentication type and input your MySQL credentials in the User name and Password boxes.



MySQL database

Windows
Database

https://mysql.contoso.com/business/employee_bas...

User name
[]

Password
[]

Select which level to apply these settings to
https://mysql.contoso.com/business/employee_base...

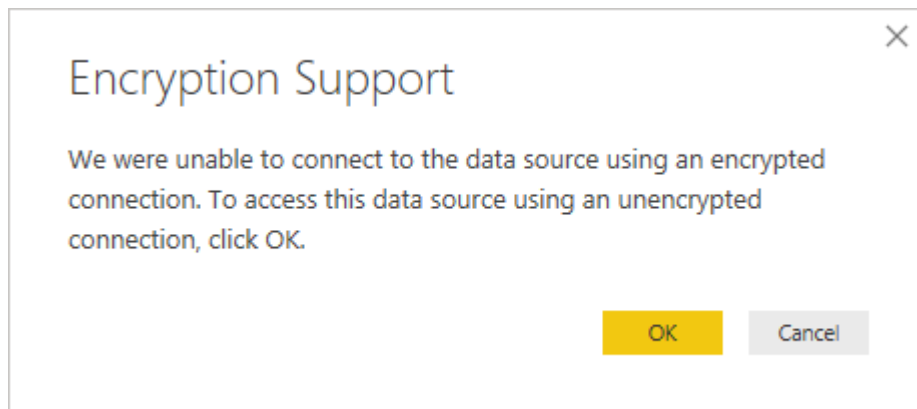
Back Connect Cancel

4. Select the level to apply your credentials to.

5. Once you're done, select OK.

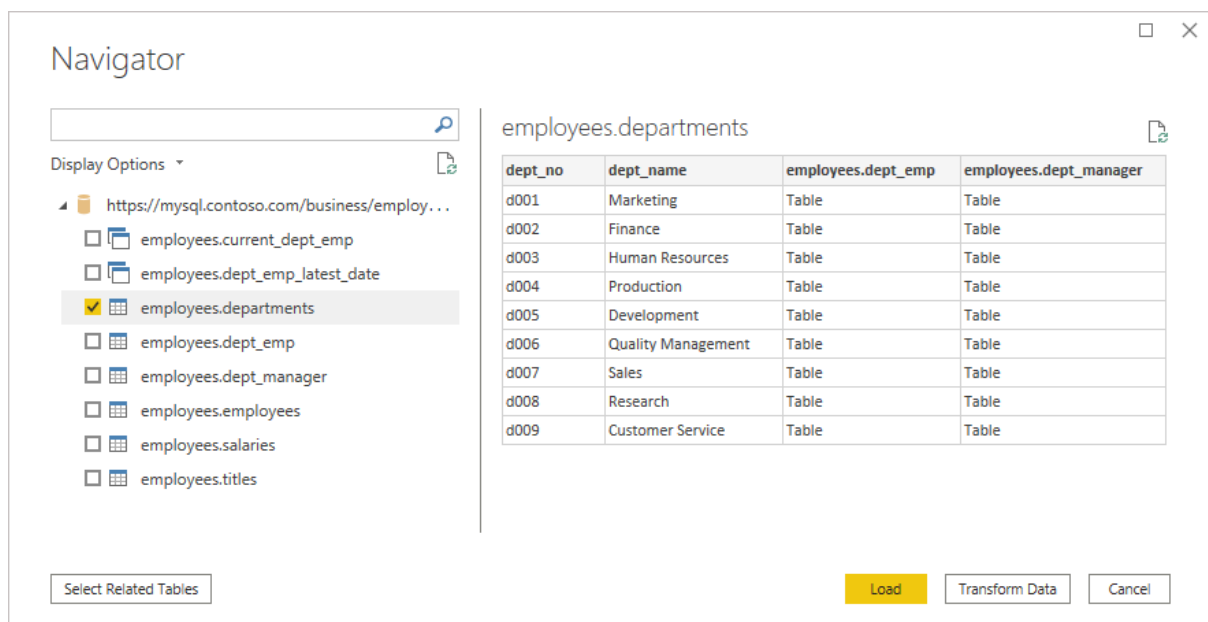
Note

If the connection isn't encrypted, you'll be prompted with the following dialog.



Select OK to connect to the database by using an unencrypted connection, or follow the instructions to set up encrypted connections to SQL Server.


6. In Navigator, select the data you require, then either load or transform the data.



Connect to MySQL database from Power Query Online

To make the connection, take the following steps:

1. Select the MySQL database option in the connector selection.
2. In the MySQL database dialog, provide the name of the server and database.


**MySQL database**
Database

Connection settings

Server

Database

Connection credentials

On-premises data gateway
 

Authentication kind

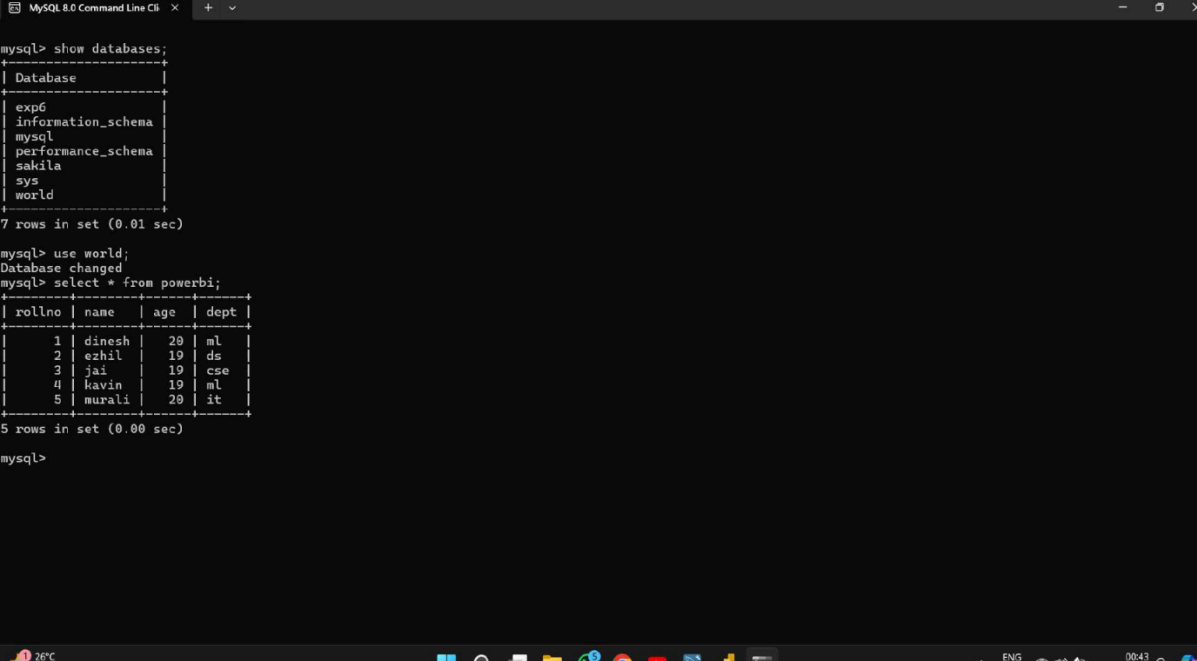
Username

Password

☒ **Use Encrypted Connection**

3. If the MySQL server is not accessible from the cloud, include the name of your on-premises data gateway (personal mode is not supported).
4. Select the Basic authentication kind and input your MySQL credentials in the Username and Password boxes.
5. If your connection isn't encrypted, clear Use Encrypted Connection.
6. Select Next to connect to the database.
7. In Navigator, select the data you require, then select Transform data to transform the data in Power Query Editor.

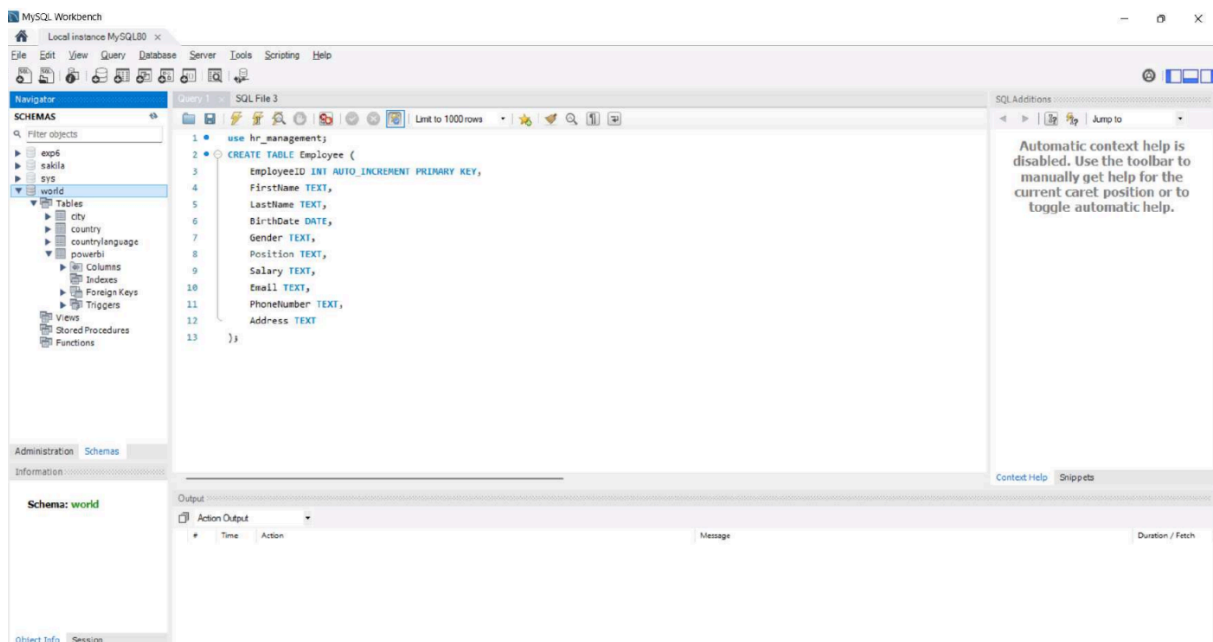
After installation, DATABASE and tables are created in MYSQL.



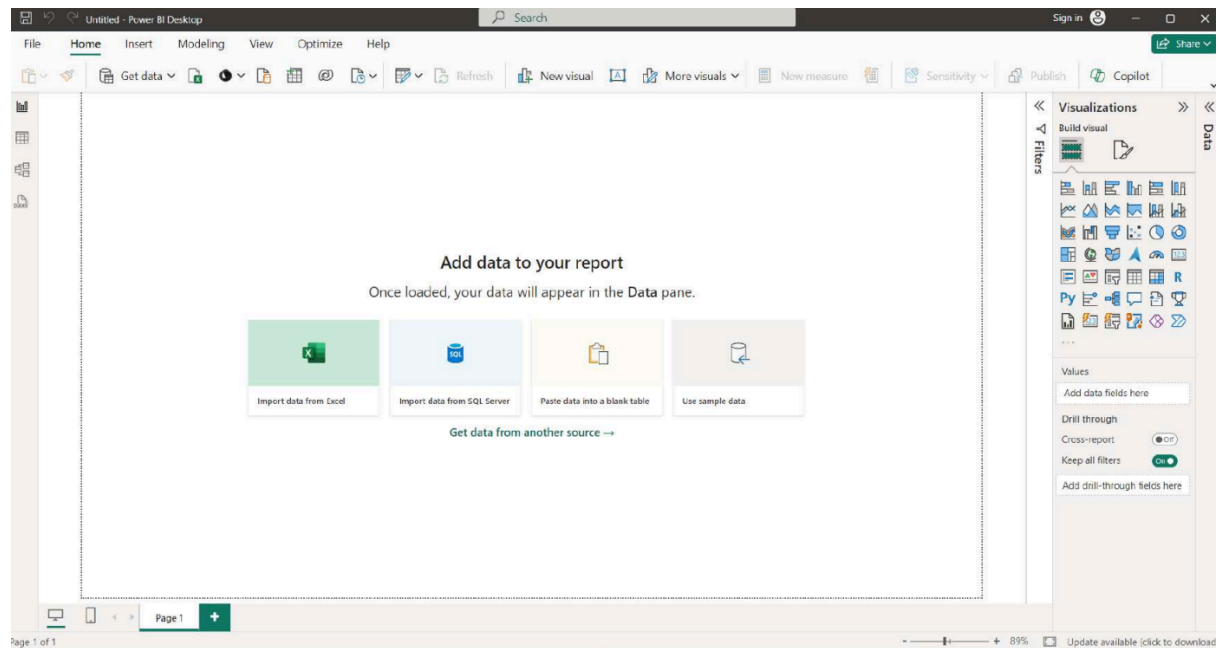
The screenshot shows the MySQL 8.0 Command Line Client interface. The user has executed the command `show databases;` and the output lists seven databases: `exp6`, `information_schema`, `mysql`, `performance_schema`, `sakila`, `sys`, and `world`. The user then switches to the `world` database using `use world;` and executes `select * from powerbi;`. The output shows a table with five rows and four columns: `rollno`, `name`, `age`, and `dept`. The data is as follows:

rollno	name	age	dept
1	dinesh	20	ml
2	ezhil	19	ds
3	jai	19	cse
4	kavin	19	ml
5	murali	20	it

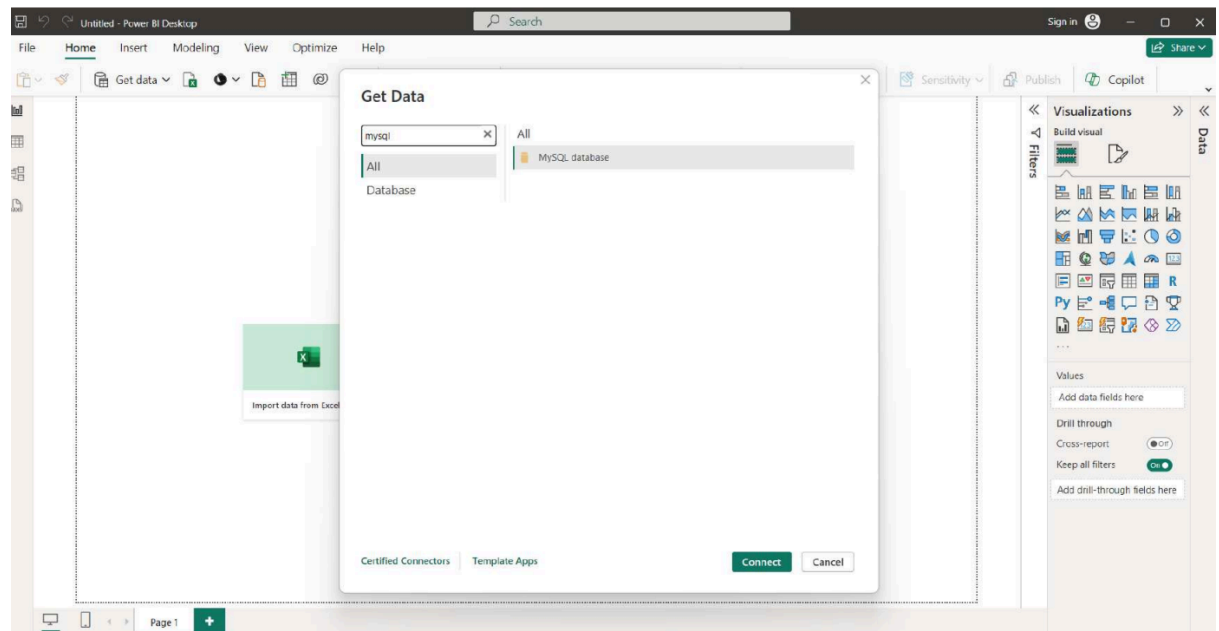
The status bar at the bottom indicates the system temperature is 26°C, the weather is mostly cloudy, and the date is 13-08-2024.



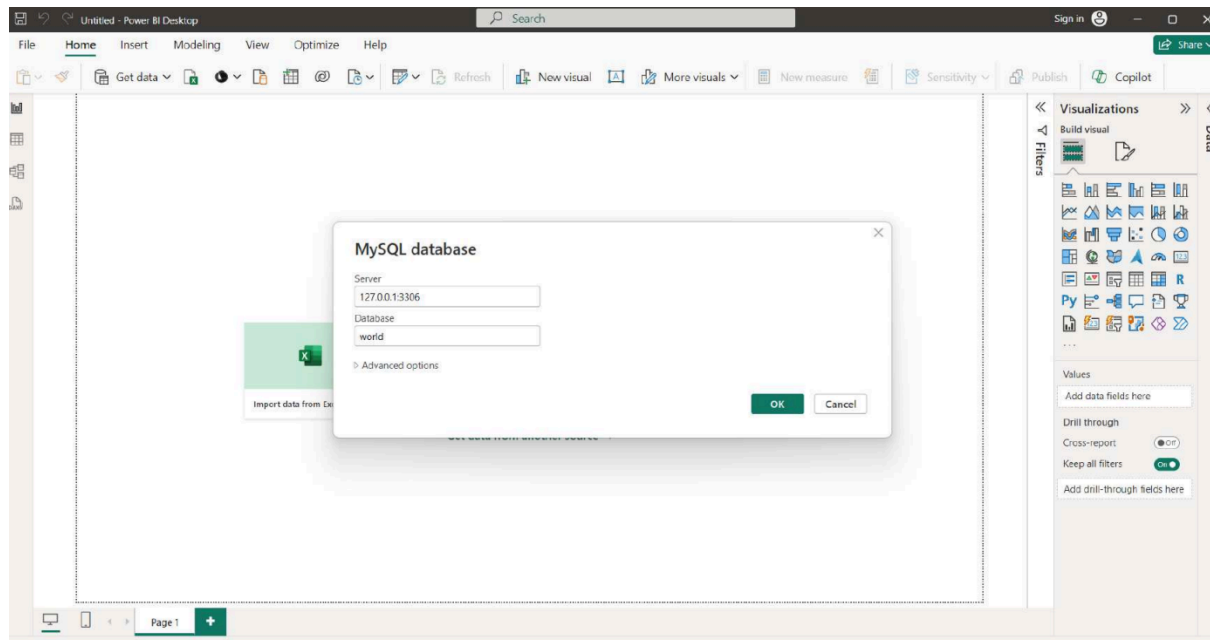
Step:1 Open Power BI.



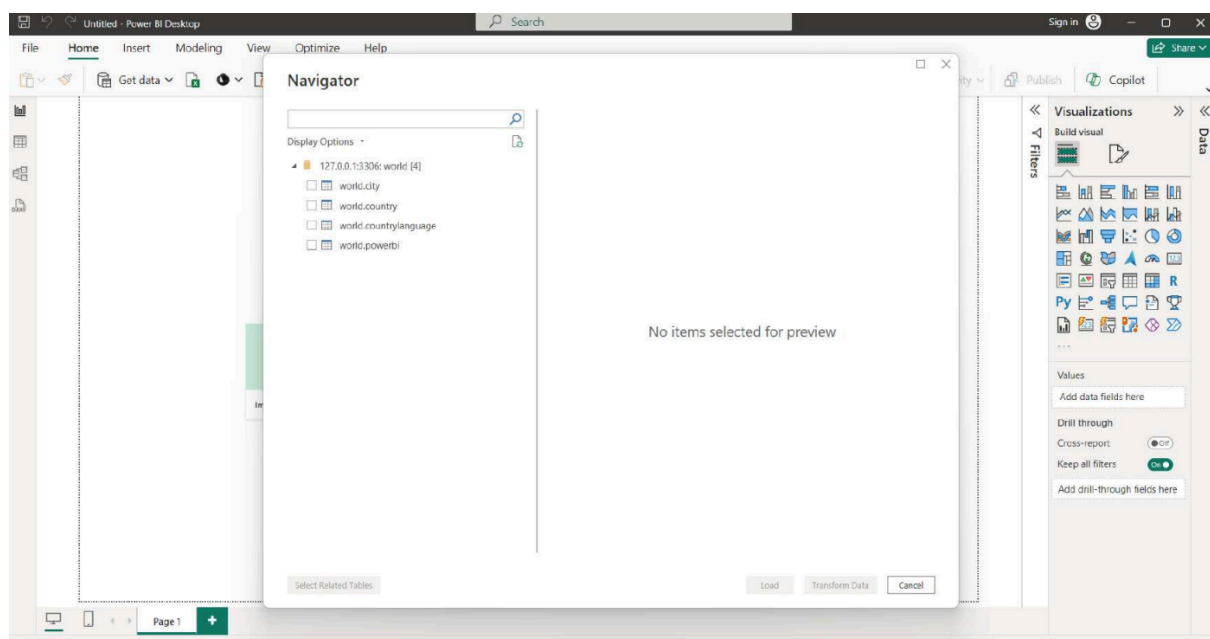
Step 2: Click Get Data, search MYSQL and then connect.

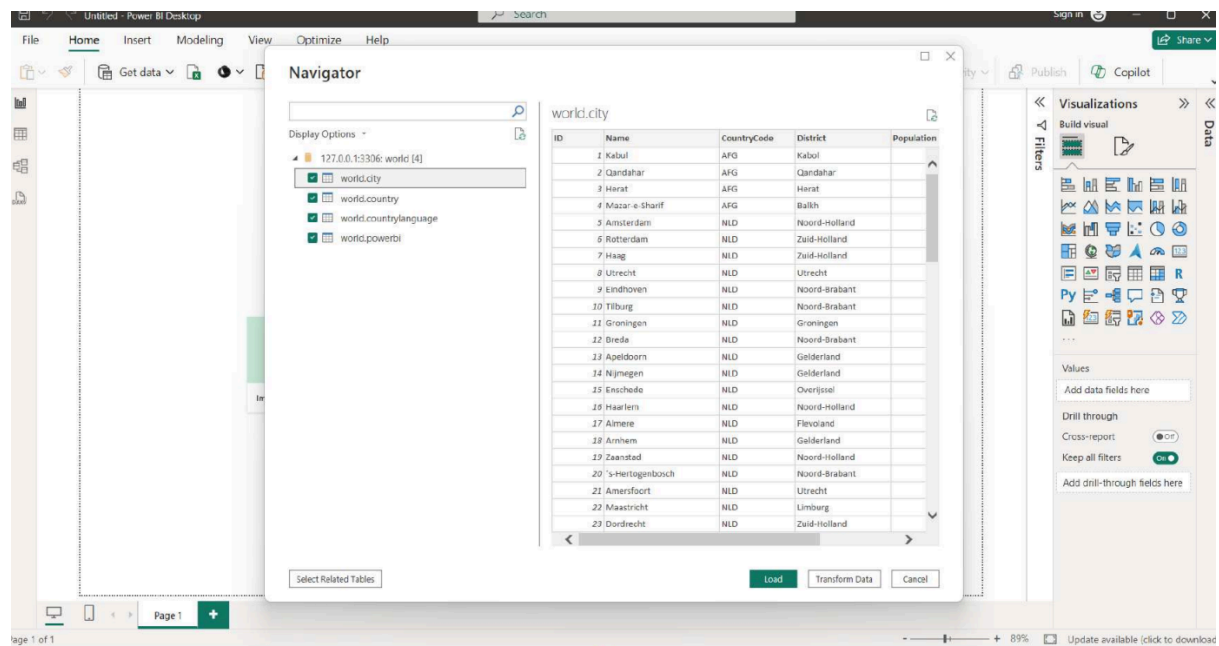


Step 3: Type Server name and database name and give ok.

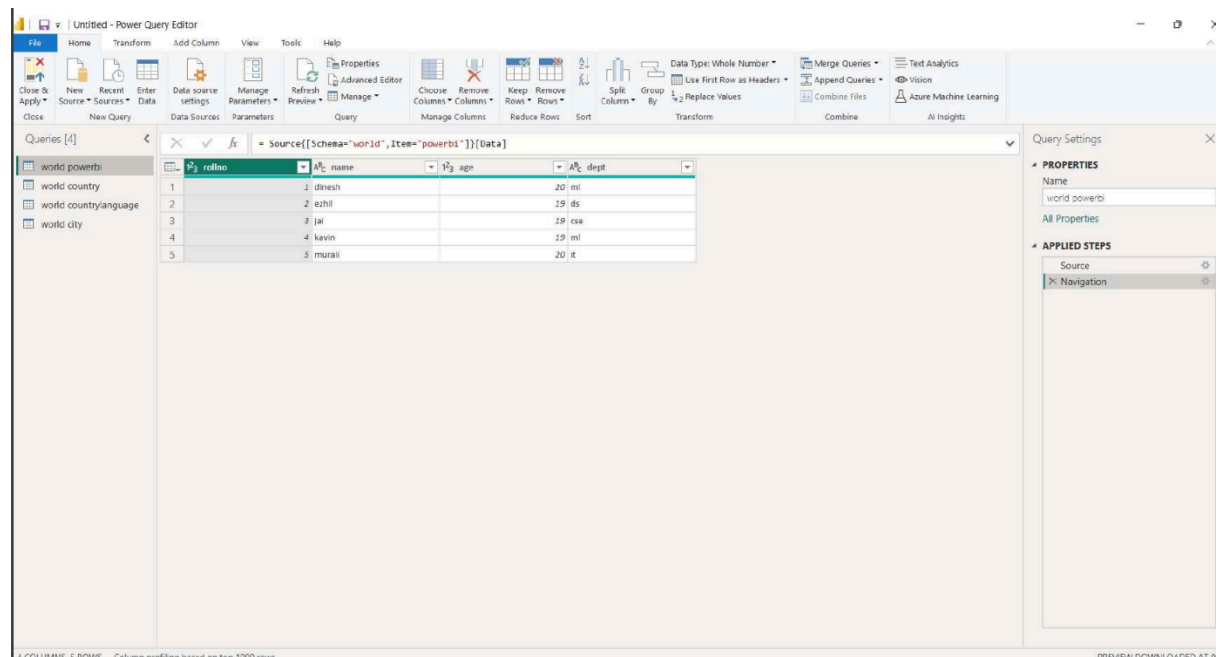


Step 4: Now select the data you want and load.

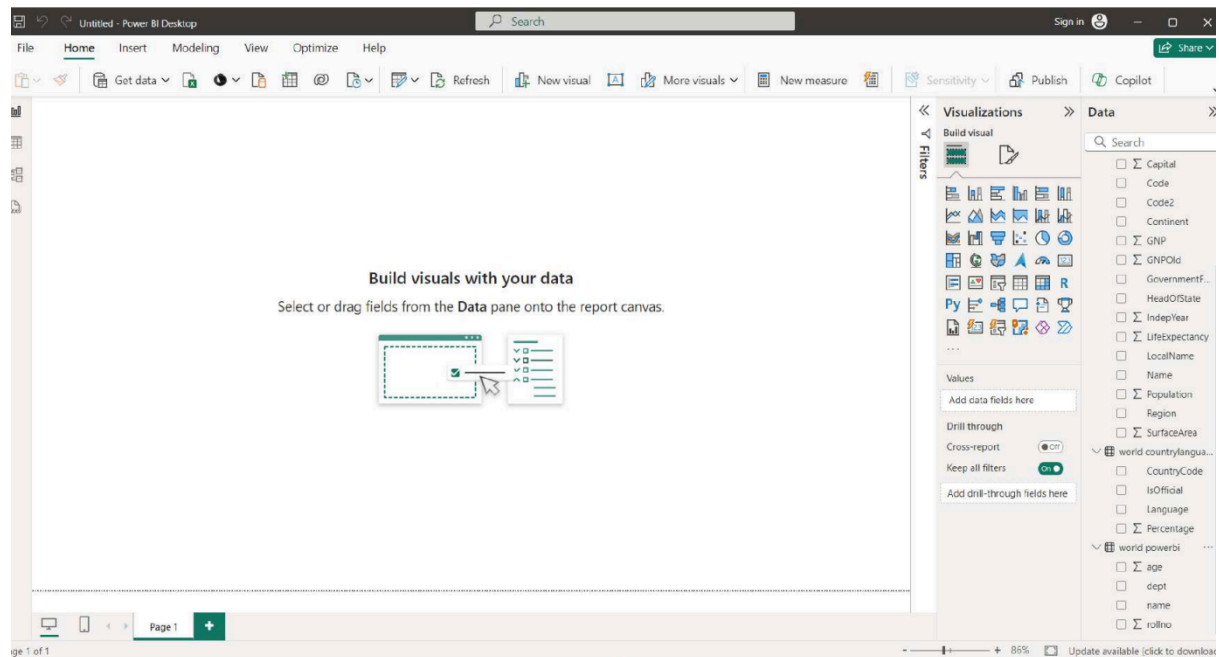




Step 5: Perform the Operations on the dataset.



Step 6: Build visuals on the data.



INFERENCE:

From the above, MYSQL downloading steps are known and are incorporated for performing operations in imported MYSQL database data.

RESULT:

Hence MYSQL is downloaded and connected to the PowerBI and data is imported from MYSQL for performing operations on the dataset.

Marks given	Marks obtained
COE(25)	
RECORD (15)	
VIVA (10)	
TOTAL(50)	