How to install MySql on WSL2:

# Step 1: Go to your work directory

\$ cd <path\_to\_your\_work\_directory>

### Step 2: install MySql server

sudo apt update && sudo apt upgrade sudo apt install mysql-server mysql --version

#### Step3: Create database cs531 and table tb1

sudo mysql

```
imysql> decribe tb1;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
is right syntax to use near 'decribe tb1' at line 1
imysql> describe tb1;
imysql> describe tb1;
imysql> describe tb1;
imysql> | Null | Key | Default | Extra |
imysql | Varchar(100) | NO | | NULL | |
imysql | Varchar(40) | NO | | NULL | |
imysql | Varchar(40) | NO | | NULL | |
imysql | Varchar(40) | NO | | NULL | |
imysql | Varchar(40) | NO | | NULL | |
imysql | Varchar(40) | NO | | NULL | |
imysql | Varchar(40) | NO | | NULL | |
imysql | Varchar(40) | Values('cindy','cindy@gmail.com');
```

# Step 4: Install pymysql, so that you can import pymysql module in your python file.

\$ sudo apt-get install python3-pymysql

\$ import python3-pymysql

```
Traceback (most recent call last):
  File "./test_mysql.py", line 4, in <module>
    import pymysql
ModuleNotFoundError: No module named 'pymysql'
        aASUS-F554L:~/tmp/html/cgi-bin$ sudo apt-get install python3-pymysql
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  linux-headers-5.4.0-109 linux-headers-5.4.0-109-generic
  linux-image-5.4.0-109-generic linux-modules-5.4.0-109-generic
  linux-modules-extra-5.4.0-109-generic
Use 'sudo apt autoremove' to remove them.
Suggested packages:
  python-pymysql-doc
The following NEW packages will be installed:
 python3-pymysql
0 upgraded, 1 newly installed, 0 to remove and 42 not upgraded.
Need to get 38.9 kB of archives.
After this operation, 179 kB of additional disk space will be used.
Get:1 http://us.archive.ubuntu.com/ubuntu focal/main amd64 python3-pymysql all 0.9.3-2ubuntu3 [38.9 kB]
Fetched 38.9 kB in 1s (76.3 kB/s)
```

### Step 5: In case you still can not connect to the MySql in your python file by calling pymysql.connect(...)

\$sudo mysql

mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql\_native\_password BY 'xin';

mysql> flush previliges;

mysql> quit;

```
Welcome to the MySQL monitor. Commands end with; or \g.
Your MySQL connection id is 13
Server version: 8.0.30-Oubuntu0.20.04.2 (Ubuntu)

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'password';
Query OK, 0 rows affected (0.06 sec)

mysql> flush privileges;
Query OK, 0 rows affected (0.04 sec)

Please use the same password 'xin' to set the identity for 'root@localhost'.

Bye
```