Structure query language (SQL)

It is a programming language used to manage data, especially in a relational database management system.

Some SQL commands we covered in class

\sql	**To switch to SQL on the shell**
\connect root@localhost:3306	**To connect to the local host**
\show databases;	**To list out the available databases**
\use performance schema;	**To open the database called performance schema**
\show tables;	**To display the performance schema table**
\select* from cybersecurity	**To display all the values in cyberscurity**

Note: all SQL commands must end with a semicolon (;)

SQL workbench
Numbers are recognized as integers (int)
This "()" is called a parentheses. You store values in it
Alphabets are "Varchar" and must be put in ""

Additional resource: Troubleshooting the SQL workbench
some of us may have run into this error while trying to run our SQL shell or use the SQL workbench, while some haven't. Nevertheless, I was able to troubleshoot and find a solution to the error effectively!

The problem:


```
MySQL Shell 8.0.38

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Type '\help' or '\?' for help; '\quit' to exit.
 MySQL  JS > \sql
Switching to SQL mode... Commands end with ;
 MySQL  SQL > \connect root@localhost:3306
Creating a session to 'root@localhost:3306'
MySQL Error 2003 (HY000): Can't connect to MySQL server on 'localhost:3306' (10061)
 MySQL  SQL > |
```

The solution:

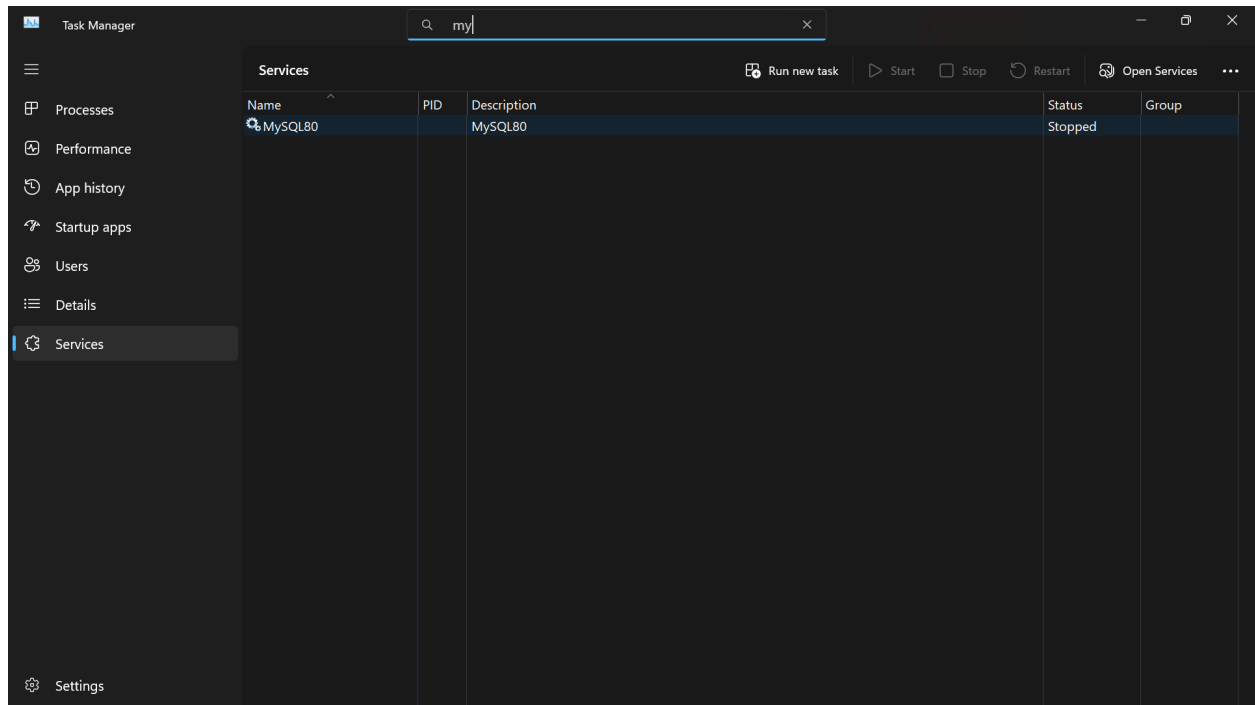## Step 1:
Open task manager
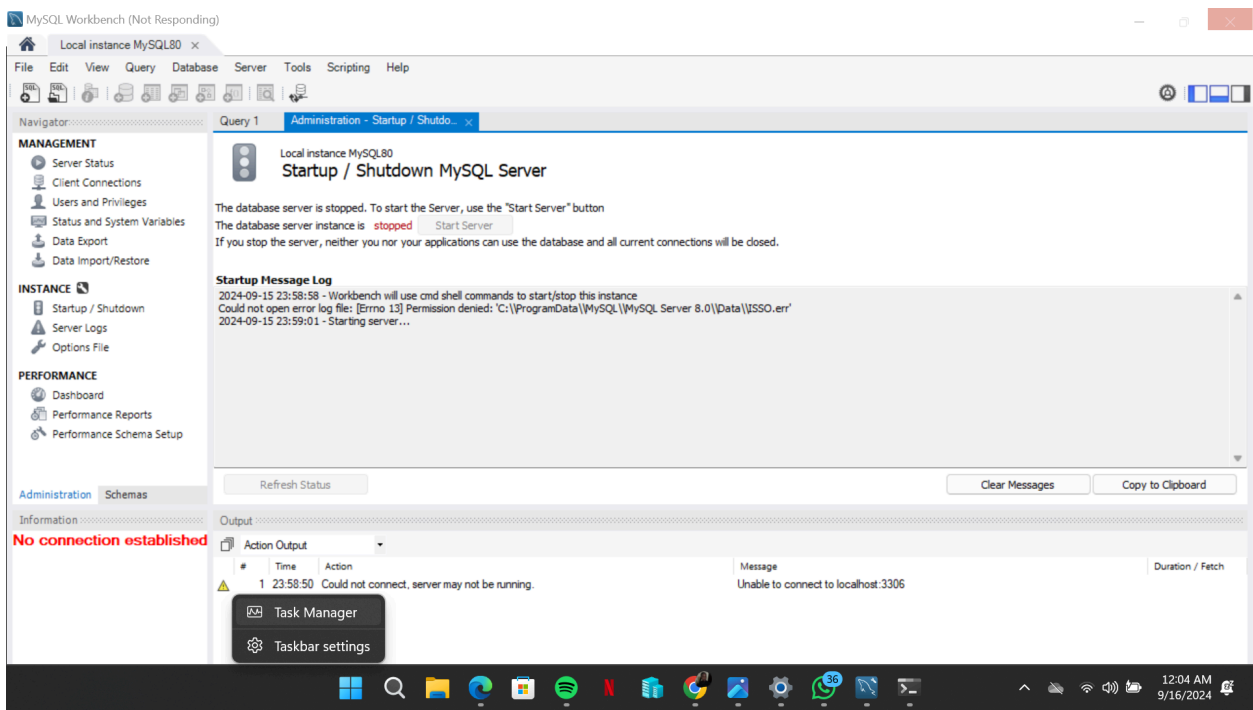
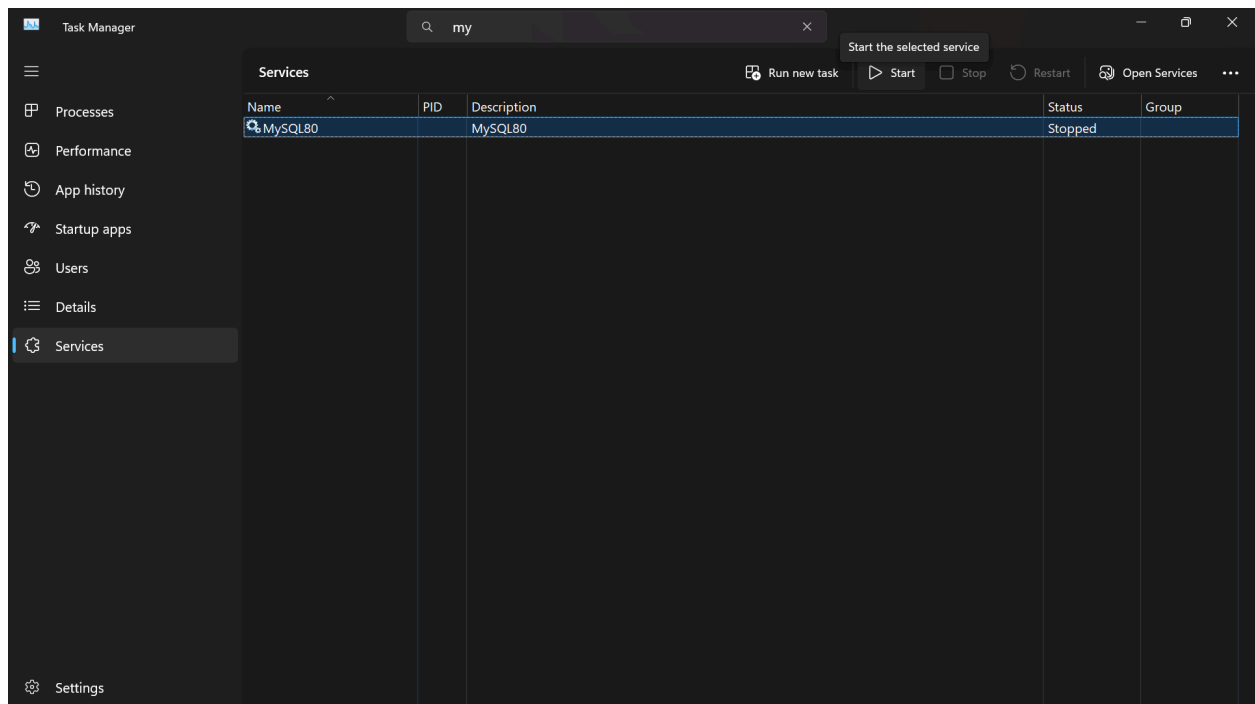## Step 2:
Open services on task manager
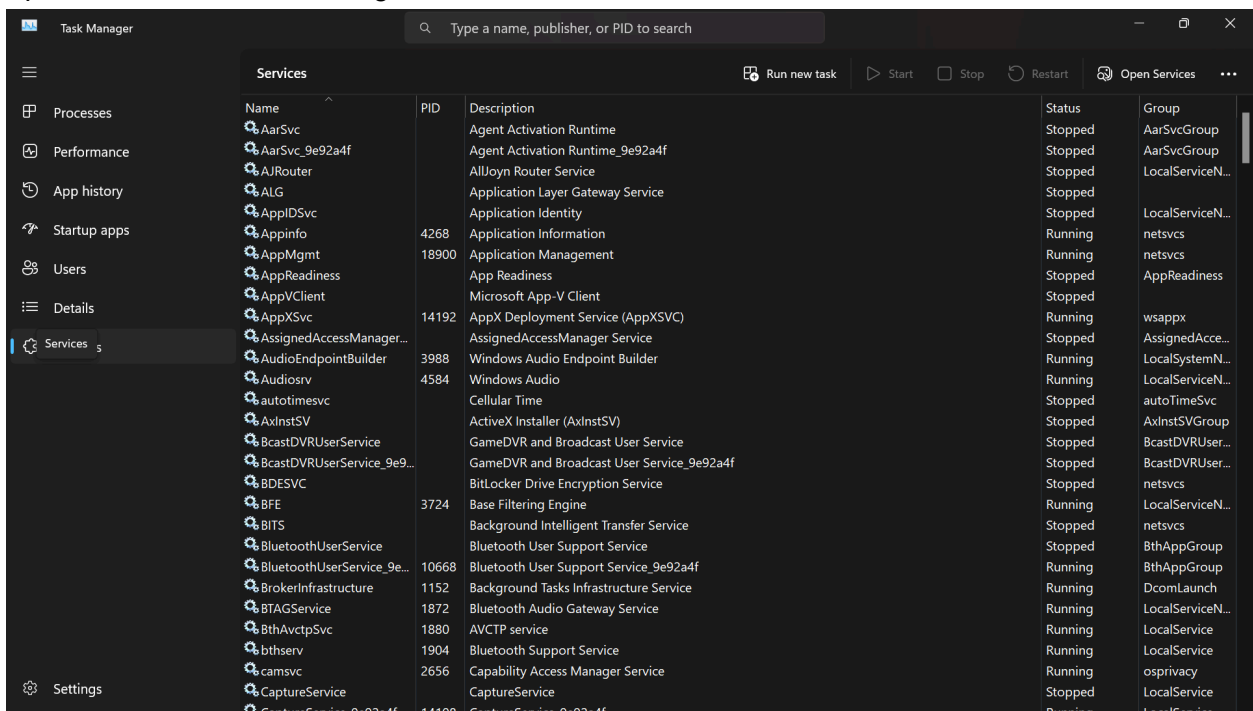
Step 3:

Search for MySql and click on it

Step 4:

Click on Start the selected device

Step 5:
When the status changes to running reopen the SQL workbench and run your code with no stress or error!