## **WINDOWS, MAC & LINUX**

1. On your MySQL instance, create a database, username, and password with these details.

database: raus

username: raus

password: raus123

- 2. Fork this repository: <a href="https://github.com/sydunix/dbpractice">https://github.com/sydunix/dbpractice</a>
- 3. Clone the repository to your laptop
- 4. Open the repository on vscode and open vscode terminal. Type this command to install "mysql2" through the node **package.json.** This helps us connect to and run queries on MySQL 8.0 (NOTE: nodejs should have been previously installed)

npm install

5. Type this command in vscode terminal to create Table "mentees" using the script **createTable.js**. node createTable.js

Then, hold **ctrl c** to exit the command.

6. Type this command in vscode terminal to insert Data into Table "mentees" using the script **insertData**.js.

node insertData.js

Then, hold **ctrl c** to exit the command.

7. Go to your MySQL prompt, type this command and take a screenshot of the result:

SELECT \* FROM mentees;

It should look like this:

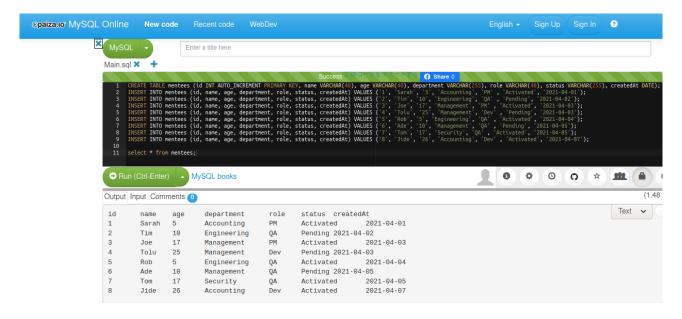
```
mysql> SELECT * FROM mentees;
  id
                                       role
                                               status
                                                           createdAt
       name
                age
                       department
                5
                                       PM
                                                            2021-04-01
   1
       Sarah
                        Accounting
                                               Activated
   2
       Tim
                10
                                       QA
                                               Pending
                                                            2021-04-02
                        Engineering
                                                            2021-04-03
   3
       Joe
                17
                                       PM
                                               Activated
                       Management
   4
       Tolu
                25
                       Management
                                       Dev
                                               Pending
                                                            2021-04-03
   5
                5
       Rob
                        Engineering
                                       QA
                                               Activated
                                                            2021-04-04
   6
       Ade
                10
                       Management
                                       QA
                                               Pending
                                                            2021-04-05
       Tom
                17
                                       QA
                                                            2021-04-05
                        Security
                                               Activated
   8
       Jide
                26
                       Accounting
                                       Dev
                                               Activated
                                                            2021-04-07
 rows in set (0.00 sec)
```

## **CHROMEBOOK**

- 1. Visit repo: <a href="https://github.com/sydunix/dbpractice">https://github.com/sydunix/dbpractice</a>
- 2. Copy the contents of scriptquery.txt onto your preferred online MySQL test platform e.g paiza.io
- 3. On the online MySQL prompt, type this command and take a screenshot of the result:

SELECT \* FROM mentees;

It should look like this:



## **HOW TO SUBMIT**

- 1. Create a word document in the repository folder (dbpractice). Paste your screenshots in there and save it.
- 2. Go to MySQL prompt, write queries to display the results of questions below, take a screenshot and paste it into your Word document. Push to Github. **Submit your Github link on LMS**. The questions are listed below:
  - The total number of Mentees (i.e. count of all mentees) in the system.
  - The total number of Mentees in the Accounting Department
  - The total number of Mentees that have not activated their account.
  - List the first 4 Mentees that Activated an account in the system.
  - List all Mentees whose age is greater than 18 but less than 26.
  - Query to Activate all pending Mentees in the system.
  - Query to Update the Mentee whose name is Tim to Timothy.

## **BONUS QUESTIONS (OPTIONAL)**

A.

Total Number of Mentees in each Department. (I want this as a single query not in parts. // Hint use group by or any clause - just a single SELECT query for this)

B.

All Mentees that registered for an account on Thursday OR Monday. You can query from a modified Table obtained from Mentees.

//Hint:

Create a Temporary Table name "mentee-temp" having an extra column where 'createdAt' (column of Dates) is converted to Day Name;

```
SELECT * , DAYNAME(createdAt)DayOfWeek FROM mentees;
CREATE TEMPORARY TABLE mentee-temp AS SELECT * ,
DAYNAME(createdAt)DayOfWeek FROM mentees;
```