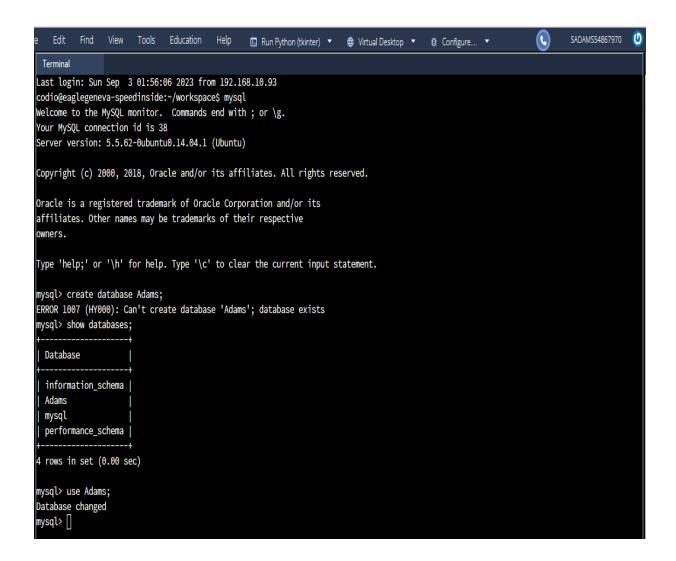DAD-220-H7740

Professor Linda Wilson

Tashyra

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1. Begin working with Command line in MySQL by typing the following command:

- mysql

- Press **Enter.**

2. **Create a new database** and update the name to your last name, then connect to it. Type the following commands after the prompt mysql>:

A. create database last_name_here;

- For example, if your database is going to be named Jetson, then substitute Jetson for "last_name_here."

- ☐ Press **Enter**.

B. show databases;

- ☐ Press **Enter**.

- ☐ You should see a listing of all of the databases (or schemas) in MySQL, including the one you just created.

C. use last_name_here;

- ☐ Press **Enter**.

- ☐ Substitute the name of your database (for example, Jetson) for "last_name_here". This SQL statement connects your MySQL session to the database you've just created.

```
e     Edit   Find   View   Tools   Education   Help      Run Python (tkinter) ▾    Virtual Desktop ▾    Configure... ▾         SADAMS54867970

Terminal

Last login: Sun Sep  3 01:56:06 2023 from 192.168.10.93
codio@eaglegeneva-speedinside:~/workspace$ mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 38
Server version: 5.5.62-0ubuntu0.14.04.1 (Ubuntu)

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owners.

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

mysql> create database Adams;
ERROR 1007 (HY000): Can't create database 'Adams'; database exists
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| Adams              |
| mysql              |
| performance_schema |
+--------------------+
4 rows in set (0.00 sec)

mysql> use Adams;
Database changed
mysql> []
```
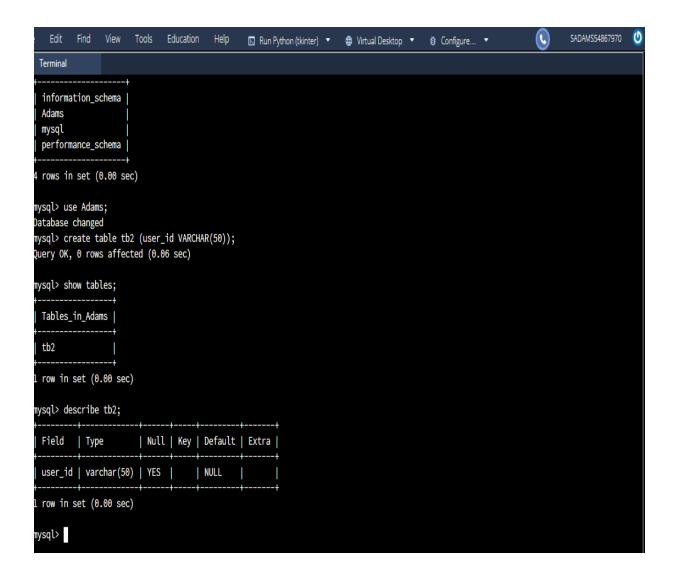
3. **Create a table** called **tb2** and list out the tables in your database with one field by typing the following commands after the prompt mysql>:

A. create table tb2 (user_id VARCHAR(50));

☐ Press **Enter**.

B. show tables;

☐ Press **Enter**.

C. describe tb2;

☐ Press **Enter**.

Terminal

```
+--------------------+
| information_schema |
| Adams              |
| mysql              |
| performance_schema |
+--------------------+
4 rows in set (0.00 sec)

mysql> use Adams;
Database changed
mysql> create table tb2 (user_id VARCHAR(50));
Query OK, 0 rows affected (0.06 sec)

mysql> show tables;
+-----------------+
| Tables_in_Adams |
+-----------------+
| tb2             |
+-----------------+
1 row in set (0.00 sec)

mysql> describe tb2;
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| user_id | varchar(50) | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
1 row in set (0.00 sec)

mysql> ▮
```

4. **Add a second field into the table and describe it.** Do this by entering the following commands after mysql>:

A. alter table tb2 add newfield VARCHAR(25);

☐ Press **Enter**.

B. describe tb2;

☐ Press **Enter**.

Terminal

```
mysql> show tables;
+-----------------+
| Tables_in_Adams |
+-----------------+
| tb2             |
+-----------------+
1 row in set (0.00 sec)

mysql> describe tb2;
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| user_id | varchar(50) | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
1 row in set (0.00 sec)

mysql> alter table tb2 add newfield VARCHAR(25);
Query OK, 0 rows affected (0.10 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> describe tb2;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| user_id  | varchar(50) | YES  |     | NULL    |       |
| newfield | varchar(25) | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
2 rows in set (0.00 sec)

mysql>
```