

LAB TASK # 1

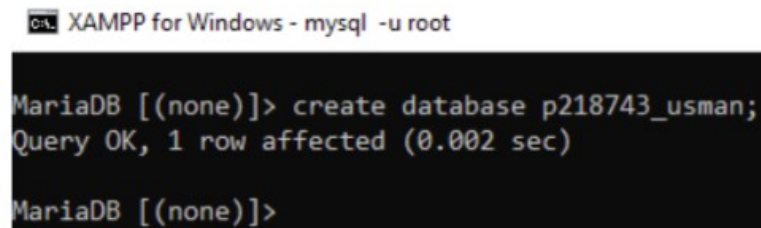
Exercises

To create a database, you would type the following:

Create database database_name;

Notice that you need a semi-colon to end the command.

The following figure shows the creation of database.



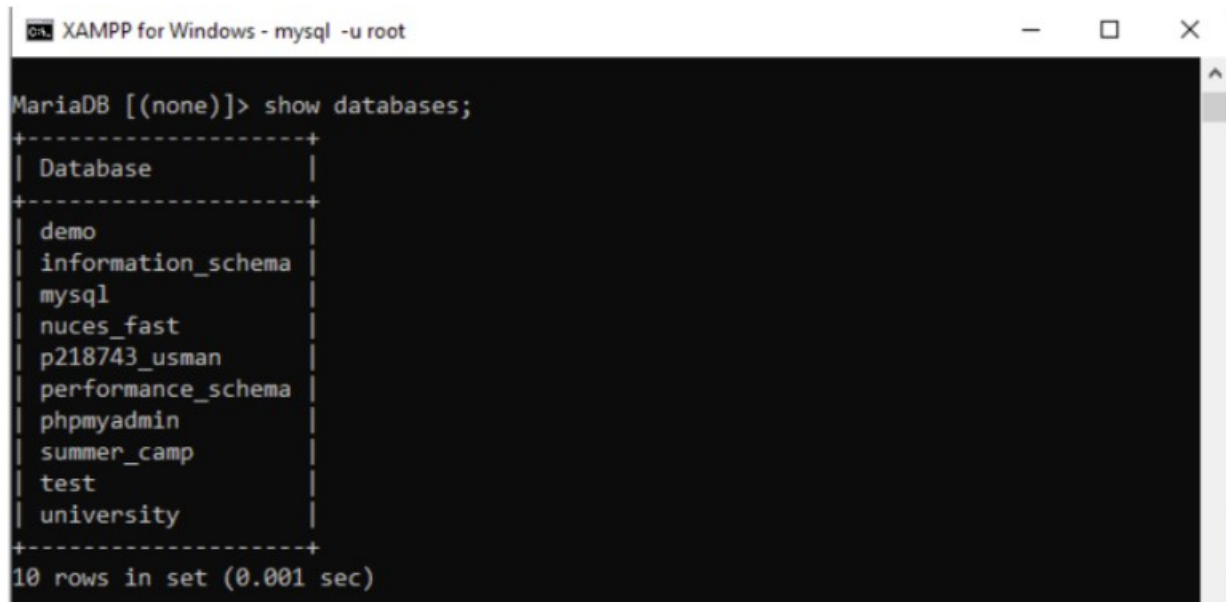
The screenshot shows a terminal window titled "XAMPP for Windows - mysql -u root". The prompt is "MariaDB [(none)]>". The user enters the command "create database p218743_usman;". The output is "Query OK, 1 row affected (0.002 sec)". The prompt returns to "MariaDB [(none)]>".

```
cn XAMPP for Windows - mysql -u root
MariaDB [(none)]> create database p218743_usman;
Query OK, 1 row affected (0.002 sec)
MariaDB [(none)]>
```

Task 1 Create the database named your rollno_name (i.e p21432_usman) as shown in

To check to see if your database has been created you need to use the SHOW DATABASES command which lists the databases on the MySQL server host.

Task 2 Execute the following MySQL command to show the databases that you just created.



```
XAMPP for Windows - mysql -u root
MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| demo      |
| information_schema |
| mysql     |
| nukes_fast |
| p218743_usman |
| performance_schema |
| phpmyadmin |
| summer_camp |
| test      |
| university |
+-----+
10 rows in set (0.001 sec)
```

To work with any specific database you first have to select it, so you need to execute the USE command followed by the name of the database that you want to use.

Task 3 Execute the following MySQL command to begin using the p218743_usman database.

```
mysql> USE p218743_usman;
```

MySQL will then inform you that the database has changed.

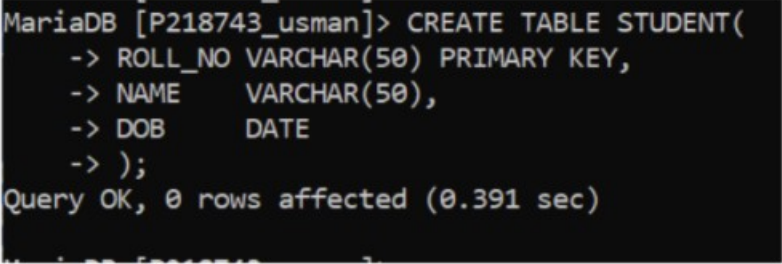
C:\XAMPP for Windows - mysql -u root

```
MariaDB [(none)]>  
MariaDB [(none)]> use p218743_usman;  
Database changed  
MariaDB [p218743_usman]>
```

Task 4 Execute the following MySQL command to create the table structures for the above created database.

Enter each one separately to ensure that you have no errors. Successful table creation will prompt MySQL to say “Query OK” as shown.

```
CREATE TABLE STUDENT(  
  
    ROLL_NO VARCHAR(50) PRIMARY KEY,  
  
    NAME  VARCHAR(50),  
  
    DOB   DATE  
  
);
```

A screenshot of a MySQL terminal window with a black background and white text. The prompt 'MariaDB [P218743_usman]>' is followed by the command 'CREATE TABLE STUDENT(' on the first line. The second line is '-> ROLL_NO VARCHAR(50) PRIMARY KEY,', the third is '-> NAME VARCHAR(50),', the fourth is '-> DOB DATE', and the fifth is '->);'. The final line shows the output 'Query OK, 0 rows affected (0.391 sec)'.

```
MariaDB [P218743_usman]> CREATE TABLE STUDENT(  
-> ROLL_NO VARCHAR(50) PRIMARY KEY,  
-> NAME  VARCHAR(50),  
-> DOB   DATE  
-> );  
Query OK, 0 rows affected (0.391 sec)
```