

MySQL copy database

Step (1) create a database using MySQL 8.0

Step(2) use database(you created database), create table and insert values

```
MySQL 8.0 Command Line Client - Unicode
| world |
+-----+
7 rows in set (0.00 sec)

mysql> use test;
Database changed
mysql> create table Employee(
  -> emp_id varchar(10),
  -> emp_name varchar(20),
  -> salary numeric(10,2),
  -> primary key(emp_id));
Query OK, 0 rows affected (0.16 sec)

mysql> insert into Employee values('E_001','Aung Aung',300000);
Query OK, 1 row affected (0.03 sec)

mysql> insert into Employee values('E_002','Kaung Myat',400000),
  -> ('E_003','Myat Noe',350000);
Query OK, 2 rows affected (0.00 sec)
Records: 2 Duplicates: 0 Warnings: 0

mysql> select * from Employee;
+-----+-----+-----+
| emp_id | emp_name | salary |
+-----+-----+-----+
| E_001  | Aung Aung | 300000.00 |
| E_002  | Kaung Myat | 400000.00 |
| E_003  | Myat Noe  | 350000.00 |
+-----+-----+-----+
3 rows in set (0.00 sec)
```

Step (3)

Retrieve record from Employee.

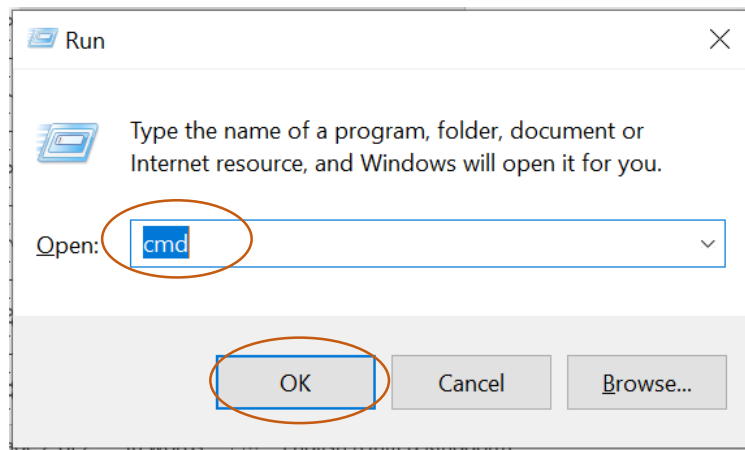
Step(4) create a new database for copy.

```
mysql> create database test_copy;
Query OK, 1 row affected (0.01 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sakila |
| sys |
| test |
| test_copy |
| world |
+-----+
8 rows in set (0.00 sec)

mysql> use test_copy;
Database changed
mysql> show tables;
Empty set (0.00 sec)
```

Step (5) open command prompt(cmd) using run box.



```
C:\Windows\system32\cmd.exe
```

```
Microsoft Windows [Version 10.0.18362.356]  
(c) 2019 Microsoft Corporation. All rights reserved.
```

```
C:\Users\HP>
```

Step (6) go to C:\Program Files\MySQL\MySQL Server 8.0\bin

```
C:\Users\HP>cd C:\Program Files\MySQL\MySQL Server 8.0\bin
```

Step (7) use the mysqldump tool to copy the database objects and data into the SQL file.

Database_backup is folder name.

operator (>) used for exporting the database from one location to another.

When the MySQL install port number change to 3360.

```
mysqldump -u root --port 3360 -p test > E:\Database_backup\test.sql
```

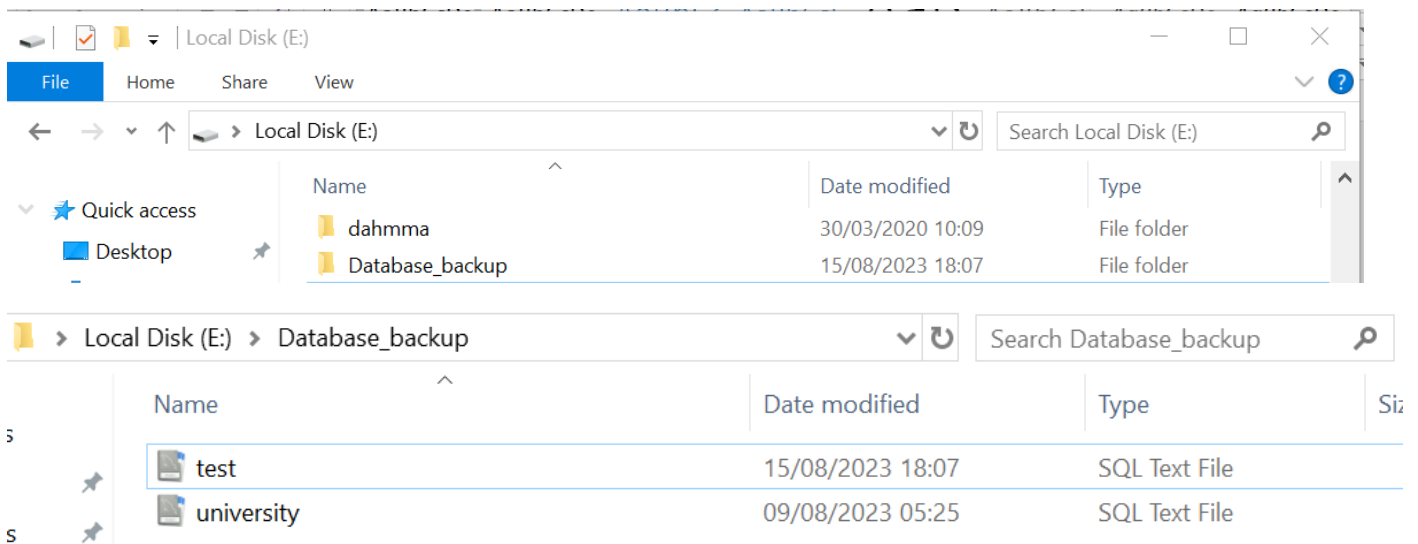
When the MySQL install port number no change.

```
mysqldump -u root -p test > E:\Database_backup\test.sql
```

```
C:\Program Files\MySQL\MySQL Server 8.0\bin>mysqldump -u root --port 3360 -p test > E:\Database_backup\test.sql  
Enter password: ****
```

Step (8) Enter password: root

You can see E:\Database_backup\test.sql



Step (9) operator (<) used for importing the database from one location to another.

When the MySQL install port number change to 3360.

```
mysql -u root --port 3360 -p test_copy < E:\Database_backup\test.sql
```

When the MySQL install port number no change.

```
mysqldump -u root -p test < E:\Database_backup\test.sql
```

```
C:\Program Files\MySQL\MySQL Server 8.0\bin>mysql -u root --port 3360 -p test_copy < E:\Database_backup\test.sql  
Enter password: ****
```

Step (10) Enter password: **root**

Step (11) using MySQL

```
mysql> use test_copy;  
Database changed  
mysql> show tables;
```

```
mysql> show tables;  
+-----+  
| Tables_in_test_copy |  
+-----+  
| employee             |  
+-----+  
1 row in set (0.00 sec)  
  
mysql> select * from employee;  
+-----+-----+-----+  
| emp_id | emp_name | salary |  
+-----+-----+-----+  
| E_001  | Aung Aung | 300000.00 |  
| E_002  | Kaung Myat | 400000.00 |  
| E_003  | Myat Noe  | 350000.00 |  
+-----+-----+-----+  
3 rows in set (0.00 sec)
```