

데이터베이스 MYSQL

MYSQL

Microsoft Windows [Version 10.0.18362.900]
(c) 2019 Microsoft Corporation. All rights reserved.

////////////////////////////////////
//로그인

C:\Users\TJ>mysql -u root -p
Enter password: *****
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 8
Server version: 10.3.8-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

////////////////////////////////////
//데이터 베이스 확인하기

MariaDB [(none)]> show databases;

```
+-----+
| Database          |
+-----+
| db                 |
| information_schema |
| member             |
| mysql              |
| performance_schema |
+-----+
5 rows in set (0.018 sec)
```

```
////////////////////////////////////  
//데이터 베이스 사용하기
```

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

```
MariaDB [member]> show tables;
```

```
+-----+  
| Tables_in_member |  
+-----+  
| notice           |  
+-----+  
1 row in set (0.000 sec)
```

```
////////////////////////////////////  
//데이터 베이스안에 테이블 구조 확인하기
```

```
MariaDB [member]> describe notice;
```

```
+-----+-----+-----+-----+-----+-----+  
| Field      | Type          | Null | Key | Default | Extra          |  
+-----+-----+-----+-----+-----+-----+  
| idx        | int(11)       | NO   | PRI | NULL    | auto_increment |  
| wclass     | varchar(10)   | NO   |     | NULL    |                |  
| wsubject   | varchar(250)  | NO   |     | NULL    |                |  
| wdate      | date          | YES  |     | NULL    |                |  
+-----+-----+-----+-----+-----+-----+  
4 rows in set (0.042 sec)
```

```
////////////////////////////////////  
//데이터 베이스 만들기
```

1. 데이터베이스 생성

```
MariaDB [member]> create database member2;  
Query OK, 1 row affected (0.011 sec)
```

2. 사용하기

```
MariaDB [member]> use member2;
```

```
Database changed
```

3. 테이블만들기

```
MariaDB [member2]> create table news(
```

```
-> idx int not null,
```

```
-> wclass varchar(10) not null,
```

```
-> wsubject varchar(250) not null,
```

```
-> wdate date not null,
```

```
-> primary key(idx)
```

```
-> );
```

```
Query OK, 0 rows affected (0.144 sec)
```

4. 테이블 구조 확인하기

```
MariaDB [member2]> describe news;
```

Field	Type	Null	Key	Default	Extra
idx	int(11)	NO	PRI	NULL	
wclass	varchar(10)	NO		NULL	
wsubject	varchar(250)	NO		NULL	
wdate	date	NO		NULL	

```
4 rows in set (0.007 sec)
```

5. 테이블 목록 보기

```
MariaDB [member2]> show tables;
```

Tables_in_member2
news

```
1 row in set (0.000 sec)
```

6. 성적 테이블 만들기

```
MariaDB [member2]> create table sungjuk(
```

```
-> idx int not null auto_increment,
```

```
-> name varchar(50) not null,
```

```
-> kor int not null,  
-> eng int not null,  
-> mat int not null,  
-> primary key(idx)  
-> );
```

Query OK, 0 rows affected (0.176 sec)

7. 테이블 목록 보기

MariaDB [member2]> show tables;

```
+-----+  
| Tables_in_member2 |  
+-----+
```

```
| news          |  
| sungjuk      |  
+-----+
```

2 rows in set (0.000 sec)

8. 성적 테이블 구조 확인하기

MariaDB [member2]> describe sungjuk;

```
+-----+-----+-----+-----+-----+-----+  
| Field | Type          | Null | Key | Default | Extra          |  
+-----+-----+-----+-----+-----+-----+
```

```
| idx   | int(11)       | NO   | PRI | NULL    | auto_increment |  
| name  | varchar(50)   | NO   |     | NULL    |                 |  
| kor   | int(11)       | NO   |     | NULL    |                 |  
| eng   | int(11)       | NO   |     | NULL    |                 |  
| mat   | int(11)       | NO   |     | NULL    |                 |  
+-----+-----+-----+-----+-----+-----+
```

5 rows in set (0.007 sec)

9. 데이터베이스 목록 보기

MariaDB [(none)]> show databases;

```
+-----+  
| Database          |  
+-----+
```

```
| information_schema |  
| member             |  
+-----+
```

```
| member2          |
| mysql            |
| performance_schema |
+-----+
5 rows in set (0.001 sec)
```

10. 데이터베이스 사용하기

```
MariaDB [(none)]> use member
Database changed
```

11. 테이블 목록 보기

```
MariaDB [member]> show tables;
+-----+
| Tables_in_member |
+-----+
| notice           |
+-----+
1 row in set (0.001 sec)
```

12. 테이블 구조 확인하기

```
MariaDB [member]> desc notice;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| idx        | int(11)       | NO   | PRI | NULL    | auto_increment |
| wclass     | varchar(10)   | NO   |     | NULL    |                |
| wsubject   | varchar(250)  | NO   |     | NULL    |                |
| wdate      | date          | YES  |     | NULL    |                |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.006 sec)
```

```
MariaDB [member]> use member2;
Database changed
```

MariaDB [member2]> show tables;

```
+-----+
| Tables_in_member2 |
+-----+
| news                |
| sungjuk             |
+-----+
2 rows in set (0.000 sec)
```

MariaDB [member2]> desc news;

```
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| idx        | int(11)       | NO   | PRI | NULL    |       |
| wclass     | varchar(10)   | NO   |     | NULL    |       |
| wsubject   | varchar(250)  | NO   |     | NULL    |       |
| wdate      | date          | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.006 sec)
```

13.

news 테이블 auto_increment 넣기(idx 변경하기)

////////////////////////////////////

MariaDB [member2]> alter table news modify idx int not null auto_increment;

Query OK, 0 rows affected, 2 warnings (0.663 sec)

Records: 0 Duplicates: 0 Warnings: 2

MariaDB [member2]> desc news;

```
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
```

idx	int(11)	NO	PRI	NULL	auto_increment
wclass	varchar(10)	NO		NULL	
wsubject	varchar(250)	NO		NULL	
wdate	date	NO		NULL	

4 rows in set (0.007 sec)

14. 테이블 이름 바꾸기

MariaDB [member2]> rename table news to newstable;
Query OK, 0 rows affected (0.155 sec)

MariaDB [member2]> show tables;

Tables_in_member2
newstable
sungjuk

2 rows in set (0.000 sec)

MariaDB [member2]> show tables;

Tables_in_member2
newstable
sungjuk

2 rows in set (0.001 sec)

MariaDB [member2]> desc sungjuk;

Field	Type	Null	Key	Default	Extra
idx	int(11)	NO	PRI	NULL	auto_increment

name	varchar(50)	NO		NULL	
kor	int(11)	NO		NULL	
eng	int(11)	NO		NULL	
mat	int(11)	NO		NULL	

5 rows in set (0.007 sec)

15. 테이블 삭제하기

MariaDB [member2]> drop table sungjuk;
Query OK, 0 rows affected (0.104 sec)

MariaDB [member2]> show tables;

Tables_in_member2
newstable

1 row in set (0.000 sec)

16. 데이터베이스 삭제하기

MariaDB [member2]> drop database member2;
Query OK, 1 row affected, 2 warnings (0.133 sec)

MariaDB [(none)]> show databases;

Database
information_schema
member
mysql
performance_schema

4 rows in set (0.001 sec)

MariaDB [(none)]>