

Assignment

MariaDB [(none)]> create database gces;
Query OK, 1 row affected (0.006 sec)

MariaDB [(none)]> show databases;

Database
gces
information_schema
mysql
performance_schema
phpmyadmin
sbr_db
sbr_keys
test

8 rows in set (0.001 sec)

MariaDB [(none)]> use gces;
Database changed
MariaDB [gces]> show tables;
Empty set (0.001 sec)

MariaDB [gces]> create table student(rollno int, fname varchar(15),
-> lname varchar(15),
-> age int,
-> mobile bigint);
Query OK, 0 rows affected (0.546 sec)

MariaDB [gces]> show tables;

Tables_in_gces
student

1 row in set (0.001 sec)

MariaDB [gces]> describe student;

Field	Type	Null	Key	Default	Extra
rollno	int(11)	YES		NULL	
fname	varchar(15)	YES		NULL	
lname	varchar(15)	YES		NULL	
age	int(11)	YES		NULL	
mobile	bigint(20)	YES		NULL	

5 rows in set (0.150 sec)

MariaDB [gces]> alter table student add gender varchar(2);

Query OK, 0 rows affected (0.144 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [gces]> alter table student modify gender varchar(6);
Query OK, 0 rows affected (0.224 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [gces]> alter table student change gender gend varchar(5);
Query OK, 0 rows affected (1.409 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [gces]> alter table student drop gend;
Query OK, 0 rows affected (0.140 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [gces]> alter table student modify lname varchar(20) COMMENT 'last name';
Query OK, 0 rows affected (0.142 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [gces]> describe student;

Field	Type	Null	Key	Default	Extra
rollno	int(11)	YES		NULL	
fname	varchar(15)	YES		NULL	
lname	varchar(20)	YES		NULL	
age	int(11)	YES		NULL	
mobile	bigint(20)	YES		NULL	

5 rows in set (0.118 sec)

MariaDB [gces]> show full columns from student;

Field	Type	Collation	Null	Key	Default	Extra	Privileges	Comment
rollno	int(11)		NULL	YES		NULL	select,insert,update,references	
fname	varchar(15)	utf8mb4_general_ci	YES		NULL		select,insert,update,references	
lname	varchar(20)	utf8mb4_general_ci	YES		NULL		select,insert,update,references	last name
age	int(11)		NULL	YES		NULL	select,insert,update,references	
mobile	bigint(20)		NULL	YES		NULL	select,insert,update,references	

5 rows in set (0.172 sec)

MariaDB [gces]> create table teacher(
-> id int,
-> `teacger name` varchar(30));
Query OK, 0 rows affected (0.827 sec)

MariaDB [gces]> show tables;

Tables_in_gces
student
teacher

+-----+
2 rows in set (0.001 sec)

MariaDB [gces]> describe teacher;

Field	Type	Null	Key	Default	Extra
id	int(11)	YES		NULL	
teacger name	varchar(30)	YES		NULL	

+-----+
2 rows in set (0.046 sec)

MariaDB [gces]> drop table teacher;
Query OK, 0 rows affected (0.353 sec)

MariaDB [gces]> show tables;

Tables_in_gces
student

+-----+
1 row in set (0.001 sec)

MariaDB [gces]> rename table student to new_student;
Query OK, 0 rows affected (0.436 sec)

MariaDB [gces]> describe student;
ERROR 1146 (42S02): Table 'gces.student' doesn't exist
MariaDB [gces]> describe new_student;

Field	Type	Null	Key	Default	Extra
rollno	int(11)	YES		NULL	
fname	varchar(15)	YES		NULL	
lname	varchar(20)	YES		NULL	
age	int(11)	YES		NULL	
mobile	bigint(20)	YES		NULL	

+-----+
5 rows in set (0.045 sec)

MariaDB [gces]> drop table new_student;
Query OK, 0 rows affected (0.348 sec)

MariaDB [gces]> show tables;
Empty set (0.001 sec)

MariaDB [gces]> drop database gces;
Query OK, 0 rows affected (0.126 sec)

LAB - 1

```
MariaDB [dbms_lab1]> show tables;  
Empty set (0.032 sec)
```

```
MariaDB [dbms_lab1]> create table playerStats(  
-> playerId int auto_increment primary key,  
-> playerName varChar(20) not null,  
-> position varchar(20) not null,  
-> teamName varchar(20) not null,  
-> points int not null);  
Query OK, 0 rows affected (0.454 sec)
```

```
MariaDB [dbms_lab1]> desc playerStats;  
+-----+-----+-----+-----+-----+-----+  
| Field   | Type   | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| playerId | int(11) | NO   | PRI | NULL    | auto_increment |  
| playerName | varchar(20) | NO   |     | NULL    |               |  
| position  | varchar(20) | NO   |     | NULL    |               |  
| teamName  | varchar(20) | NO   |     | NULL    |               |  
| points    | int(11)   | NO   |     | NULL    |               |  
+-----+-----+-----+-----+-----+-----+  
5 rows in set (0.044 sec)
```

```
MariaDB [dbms_lab1]> create table matchDetails(  
-> match_id int auto_increment primary key,  
-> competing_teams varchar(100) not null,  
-> teamOnePoints int not null,  
-> teamTwoPoints int not null,  
-> manOftheMatch varchar(20) not null,  
-> playerId int not null);  
Query OK, 0 rows affected (0.450 sec)
```

```
MariaDB [dbms_lab1]> desc matchDetails;  
+-----+-----+-----+-----+-----+-----+  
| Field      | Type   | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| match_id   | int(11) | NO   | PRI | NULL    | auto_increment |  
| competing_teams | varchar(100) | NO   |     | NULL    |               |  
| teamOnePoints | int(11)  | NO   |     | NULL    |               |  
| teamTwoPoints | int(11)  | NO   |     | NULL    |               |  
| manOftheMatch | varchar(20) | NO   |     | NULL    |               |  
| playerId    | int(11)  | NO   |     | NULL    |               |  
+-----+-----+-----+-----+-----+-----+  
6 rows in set (0.046 sec)
```

```
MariaDB [dbms_lab1]> create table teamData(  
-> teamId int auto_increment primary key,  
-> teamName varchar(50) not null unique,  
-> noOfPlayers int not null,  
-> matchWons int not null,  
-> matchLost int not null,
```

-> totalMatch int not null);
Query OK, 0 rows affected (0.401 sec)

MariaDB [dbms_lab1]> desc teamData;

Field	Type	Null	Key	Default	Extra
teamId	int(11)	NO	PRI	NULL	auto_increment
teamName	varchar(50)	NO	UNI	NULL	
noOfPlayers	int(11)	NO		NULL	
matchWons	int(11)	NO		NULL	
matchLost	int(11)	NO		NULL	
totalMatch	int(11)	NO		NULL	

6 rows in set (0.165 sec)