

```

-> \c
MariaDB [(none)]>
MariaDB [(none)]> show databases          -> create database uni
versity
-> use university
-> \c

```

```
MariaDB [(none)]> show databases;
```

```

+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| test |
+-----+

```

```
4 rows in set (0.005 sec)
```

```

MariaDB [(none)]> create database university;
Query OK, 1 row affected (0.002 sec)

```

```
MariaDB [(none)]> use university;
```

```
Database changed
```

```

MariaDB [university]> create table student( usn varchar(10) primary ke
y, sname varchar(20) not null, phone bigint, dob date, percent float);
Query OK, 0 rows affected (0.038 sec)

```

```
MariaDB [university]> desc student;
```

```

+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| usn | varchar(10) | NO | PRI | NULL | |
| sname | varchar(20) | NO | | NULL | |
| phone | bigint(20) | YES | | NULL | |
| dob | date | YES | | NULL | |
| percent | float | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+

```

```
5 rows in set (0.013 sec)
```

```

MariaDB [university]> insert into student values('1AY18CS020','ASWANI'
,6363277635,'1999-06-8',72);
Query OK, 1 row affected (0.067 sec)

```

```
MariaDB [university]> clear
```

```
MariaDB [university]> select * from student;
```

```

+-----+-----+-----+-----+-----+
| usn | sname | phone | dob | percent |
+-----+-----+-----+-----+-----+
| 1AY18CS020 | ASWANI | 6363277635 | 1999-06-08 | 72 |
+-----+-----+-----+-----+-----+

```

```
1 row in set (0.056 sec)
```

```

MariaDB [university]> insert into student values('1AY18CS023','AYUSHB'
,7090146287,'2000-01-12',71);
Query OK, 1 row affected (0.014 sec)

```

```
MariaDB [university]> select * from student;
```

```

+-----+-----+-----+-----+-----+
| usn | sname | phone | dob | percent |
+-----+-----+-----+-----+-----+
| 1AY18CS020 | ASWANI | 6363277635 | 1999-06-08 | 72 |

```

```
| 1AY18CS020 | ASWANI | 6363277635 | 1999-06-08 | 72 |
+-----+-----+-----+-----+-----+
1 row in set (0.056 sec)
```

```
MariaDB [university]> insert into student values('1AY18CS023','AYUSHB',
7090146287,'2000-01-12',71);
Query OK, 1 row affected (0.014 sec)
```

```
MariaDB [university]> select * from student;
+-----+-----+-----+-----+-----+
| usn      | sname | phone      | dob      | percent |
+-----+-----+-----+-----+-----+
| 1AY18CS020 | ASWANI | 6363277635 | 1999-06-08 | 72 |
| 1AY18CS023 | AYUSHB | 7090146287 | 2000-01-12 | 71 |
+-----+-----+-----+-----+-----+
2 rows in set (0.002 sec)
```

```
MariaDB [university]> update student set percent=73 where name='ASWANI';
ERROR 1054 (42S22): Unknown column 'name' in 'where clause'
MariaDB [university]> update student set percent=73 where sname='ASWANI';
Query OK, 1 row affected (0.046 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
MariaDB [university]> select * from student;
+-----+-----+-----+-----+-----+
| usn      | sname | phone      | dob      | percent |
+-----+-----+-----+-----+-----+
| 1AY18CS020 | ASWANI | 6363277635 | 1999-06-08 | 73 |
| 1AY18CS023 | AYUSHB | 7090146287 | 2000-01-12 | 71 |
+-----+-----+-----+-----+-----+
2 rows in set (0.002 sec)
```

```
MariaDB [university]> update student set phone=9823638492 where usn='1AY18CS023';
Query OK, 1 row affected (0.020 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
MariaDB [university]> select * from student;
+-----+-----+-----+-----+-----+
| usn      | sname | phone      | dob      | percent |
+-----+-----+-----+-----+-----+
| 1AY18CS020 | ASWANI | 6363277635 | 1999-06-08 | 73 |
| 1AY18CS023 | AYUSHB | 9823638492 | 2000-01-12 | 71 |
+-----+-----+-----+-----+-----+
2 rows in set (0.001 sec)
```

```
MariaDB [university]> select count(*) as scout from student;
+-----+
| scout |
+-----+
| 2 |
+-----+
1 row in set (0.015 sec)
```

```
MariaDB [university]> select count(*) from student
-> \c
MariaDB [university]> select * from student;
```

```
+-----+-----+-----+-----+-----+
```

```
+-----+-----+-----+-----+-----+
| 1AY18CS020 | ASWANI | 6363277635 | 1999-06-08 | 73 |
| 1AY18CS023 | AYUSHB | 7090146287 | 2000-01-12 | 71 |
+-----+-----+-----+-----+-----+
2 rows in set (0.002 sec)
```

MariaDB [university]> update student set phone=9823638492 where usn='1AY18CS023';

Query OK, 1 row affected (0.020 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [university]> select * from student;

```
+-----+-----+-----+-----+-----+
| usn      | sname  | phone      | dob        | percent |
+-----+-----+-----+-----+-----+
| 1AY18CS020 | ASWANI | 6363277635 | 1999-06-08 | 73 |
| 1AY18CS023 | AYUSHB | 9823638492 | 2000-01-12 | 71 |
+-----+-----+-----+-----+-----+
2 rows in set (0.001 sec)
```

MariaDB [university]> select count(*) as scount from student;

```
+-----+
| scount |
+-----+
|      2 |
+-----+
```

1 row in set (0.015 sec)

MariaDB [university]> select count(*) from student

-> \c

MariaDB [university]> select * from student;

```
+-----+-----+-----+-----+-----+
| usn      | sname  | phone      | dob        | percent |
+-----+-----+-----+-----+-----+
| 1AY18CS020 | ASWANI | 6363277635 | 1999-06-08 | 73 |
| 1AY18CS023 | AYUSHB | 9823638492 | 2000-01-12 | 71 |
+-----+-----+-----+-----+-----+
2 rows in set (0.002 sec)
```

MariaDB [university]> select count(*) from student

-> \c

MariaDB [university]> select avg(percent) as average from student;

```
+-----+
| average |
+-----+
|      72 |
+-----+
```

1 row in set (0.002 sec)

MariaDB [university]> select min(percent) as minpercent from student;

```
+-----+
| minpercent |
+-----+
|      71 |
+-----+
```

1 row in set (0.007 sec)

MariaDB [university]> select max(percent) from student;

```
+-----+
| max(percent) |
+-----+
```

1AY18CS020	ASWANI	6363277635	1999-06-08	73
1AY18CS023	AYUSHB	9823638492	2000-01-12	71

2 rows in set (0.002 sec)

MariaDB [university]> select count(*) from student
-> \c

MariaDB [university]> select avg(percent) as average from student;

average
72

1 row in set (0.002 sec)

MariaDB [university]> select min(percent) as minpercent from student;

minpercent
71

1 row in set (0.007 sec)

MariaDB [university]> select max(percent) from student;

max(percent)
73

1 row in set (0.001 sec)

MariaDB [university]> select name from student where max(percent);

ERROR 1054 (42S22): Unknown column 'name' in 'field list'

MariaDB [university]> select sname from student where max(percent);

ERROR 1111 (HY000): Invalid use of group function

MariaDB [university]> select sname,max(percent) from student;

sname	max(percent)
ASWANI	73

1 row in set (0.004 sec)

MariaDB [university]> select sname from student where percent>71;

sname
ASWANI

1 row in set (0.015 sec)

MariaDB [university]> select sname from student where sname like 'A%';

sname
ASWANI
AYUSHB

2 rows in set (0.009 sec)

```
+-----+
| max(percent) |
+-----+
|          73 |
+-----+
```

1 row in set (0.001 sec)

```
MariaDB [university]> select name from student where max(percent);
ERROR 1054 (42S22): Unknown column 'name' in 'field list'
MariaDB [university]> select sname from student where max(percent);
ERROR 1111 (HY000): Invalid use of group function
MariaDB [university]> select sname,max(percent) from student;
```

```
+-----+-----+
| sname | max(percent) |
+-----+-----+
| ASWANI |          73 |
+-----+-----+
```

1 row in set (0.004 sec)

```
MariaDB [university]> select sname from student where percent>71;
```

```
+-----+
| sname |
+-----+
| ASWANI |
+-----+
```

1 row in set (0.015 sec)

```
MariaDB [university]> select sname from student where sname like 'A%';
```

```
+-----+
| sname |
+-----+
| ASWANI |
| AYUSHB |
+-----+
```

2 rows in set (0.009 sec)

```
MariaDB [university]> alter table student add column gender char(10);
Query OK, 0 rows affected (0.118 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
MariaDB [university]> update student set gender = 'MALE' where sname='ASWANI';
```

```
Query OK, 1 row affected (0.018 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
MariaDB [university]> update student set gender='MALE' where sname='AYUSHB';
```

```
Query OK, 1 row affected (0.008 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
MariaDB [university]> select * from student;
```

```
+-----+-----+-----+-----+-----+-----+
| usn      | sname | phone    | dob        | percent | gender |
+-----+-----+-----+-----+-----+-----+
| 1AY18CS020 | ASWANI | 6363277635 | 1999-06-08 | 73      | MALE   |
| 1AY18CS023 | AYUSHB | 9823638492 | 2000-01-12 | 71      | MALE   |
+-----+-----+-----+-----+-----+-----+
```

2 rows in set (0.001 sec)

```
MariaDB [university]> █
```