

```

Setting environment for using XAMPP for Windows.
jeffrey@LAPTOP-2LRQG7C5 c:\xampp
# mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 10
Server version: 10.4.19-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.

MariaDB [(none)]> use jeffrey_784;
ERROR 1049 (42000): Unknown database 'jeffrey_784'
MariaDB [(none)]> use jeffrey_2602158784;
Database changed
MariaDB [jeffrey_2602158784]> select * from infoprib_784;
+-----+-----+-----+-----+-----+-----+
| nip | nama | kota | tgl_lahir | sex | alamat |
+-----+-----+-----+-----+-----+
| 1 | Jeffrey | Jakarta | 2004-09-04 | L | NULL |
| 2 | Wijaya | Bandung | 2004-04-25 | L | NULL |
| 3 | Jason | Kalimantan | 2010-03-01 | L | NULL |
| 4 | Jessica | Malang | 2000-09-09 | P | NULL |
| 5 | Siska | Bogor | 2000-04-03 | P | NULL |
| 6 | Kenneth | NULL | NULL | L | NULL |
+-----+-----+-----+-----+-----+
6 rows in set (0.090 sec)

```

```

MariaDB [jeffrey_2602158784]> select * from infoprib_784
-> where sex="L";
+-----+-----+-----+-----+-----+-----+
| nip | nama | kota | tgl_lahir | sex | alamat |
+-----+-----+-----+-----+-----+
| 1 | Jeffrey | Jakarta | 2004-09-04 | L | NULL |
| 2 | Wijaya | Bandung | 2004-04-25 | L | NULL |
| 3 | Jason | Kalimantan | 2010-03-01 | L | NULL |
| 6 | Kenneth | NULL | NULL | L | NULL |
+-----+-----+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [jeffrey_2602158784]> select * from infoprib_784
-> where sex="P" and kota not in ("JAKARTA");
+-----+-----+-----+-----+-----+-----+
| nip | nama | kota | tgl_lahir | sex | alamat |
+-----+-----+-----+-----+-----+
| 4 | Jessica | Malang | 2000-09-09 | P | NULL |
| 5 | Siska | Bogor | 2000-04-03 | P | NULL |
+-----+-----+-----+-----+-----+
2 rows in set (0.001 sec)

```

```

MariaDB [jeffrey_2602158784]> select distinct kota from infoprib_784;
+-----+
| kota |
+-----+
| Jakarta |
| Bandung |
| Kalimantan |
| Malang |
| Bogor |
| NULL |
+-----+
6 rows in set (0.001 sec)

MariaDB [jeffrey_2602158784]> select nama
-> from infoprib_784
-> where nama like '%a%';
+-----+
| nama |
+-----+
| Wijaya |
| Jason |
| Jessica |
| Siska |
+-----+
4 rows in set (0.001 sec)

```

```
MariaDB [jeffrey_2602158784]> select nama
-> from infoprib_784
-> where nama like '%n%';
```

```
+-----+
| nama  |
+-----+
| Jason |
| Kenneth |
+-----+
```

2 rows in set (0.005 sec)

```
MariaDB [jeffrey_2602158784]> select nama
-> from infoprib_784
-> where nama like 'k%';
```

```
+-----+
| nama  |
+-----+
| Kenneth |
+-----+
```

1 row in set (0.001 sec)

```
MariaDB [jeffrey_2602158784]> select nama
-> from infoprib_784
-> where nama like '%a';
```

```
+-----+
| nama  |
+-----+
| Wijaya |
| Jessica |
| Siska  |
+-----+
```

```
MariaDB [jeffrey_2602158784]> select nama
-> from infoprib_784
-> order by nama;
```

```
+-----+
| nama  |
+-----+
| Jason |
| Jeffrey |
| Jessica |
| Kenneth |
| Siska  |
| Wijaya |
+-----+
```

6 rows in set (0.003 sec)

```
MariaDB [jeffrey_2602158784]> select nama
-> from infoprib_784
-> order by nama desc;
```

```
+-----+
| nama  |
+-----+
| Wijaya |
| Siska  |
| Kenneth |
| Jessica |
| Jeffrey |
| Jason  |
+-----+
```

6 rows in set (0.001 sec)

3 rows in set (0.001 sec)

```
MariaDB [jeffrey_2602158784]> select nama
-> from infoprib_784
-> where nama like 'J%e%y%';
```

```
+-----+
| nama  |
+-----+
| Jeffrey |
+-----+
```

1 row in set (0.000 sec)

```
MariaDB [jeffrey_2602158784]> select nama
-> from infoprib_784
-> where nama REGEXP 'ey$';
```

```
+-----+
| nama  |
+-----+
| Jeffrey |
+-----+
```

1 row in set (0.001 sec)

```
MariaDB [jeffrey_2602158784]> select nama
-> from infoprib_784
-> where nama REGEXP '^J.*ey';
```

```
+-----+
| nama  |
+-----+
| Jeffrey |
+-----+
```

1 row in set (0.001 sec)

```
MariaDB [jeffrey_2602158784]> select sex, nama
-> from infoprib_784
-> order by sex asc, nama desc;
```

sex	nama
L	Wijaya
L	Kenneth
L	Jeffrey
L	Jason
P	Siska
P	Jessica

6 rows in set (0.001 sec)

```
MariaDB [jeffrey_2602158784]> desc infoprib_784;
```

Field	Type	Null	Key	Default	Extra
nip	varchar(5)	NO	PRI	NULL	
nama	varchar(25)	YES		NULL	
kota	varchar(15)	YES		NULL	
tgl_lahir	date	YES		NULL	
sex	enum('L','P')	NO		NULL	
alamat	varchar(35)	YES		NULL	

6 rows in set (0.026 sec)

```
MariaDB [jeffrey_2602158784]> select nip, nama
-> from infoprib_784
-> order by 2 desc;
```

nip	nama
2	Wijaya
5	Siska
6	Kenneth
4	Jessica
1	Jeffrey
3	Jason

6 rows in set (0.003 sec)

```
MariaDB [jeffrey_2602158784]> select sex
-> from infoprib_784
-> GROUP BY sex;
```

sex
L
P

2 rows in set (0.004 sec)

```
MariaDB [jeffrey_2602158784]> select kota
-> from infoprib_784
-> GROUP BY kota;
```

```
+-----+
| kota  |
+-----+
| NULL  |
| Bandung |
| Bogor |
| Jakarta |
| Kalimantan |
| Malang |
+-----+
```

6 rows in set (0.000 sec)

```
MariaDB [jeffrey_2602158784]> select nip, nama, kota
-> from infoprib_784
-> where kota != "Jakarta"
-> group by kota;
```

```
+-----+-----+-----+
| nip | nama  | kota  |
+-----+-----+-----+
| 2   | Wijaya | Bandung |
| 5   | Siska  | Bogor   |
| 3   | Jason  | Kalimantan |
| 4   | Jessica | Malang  |
+-----+-----+-----+
```

4 rows in set (0.001 sec)

```
MariaDB [jeffrey_2602158784]> select nip, nama, kota
-> from infoprib_784
-> group by kota having kota != "Jakarta";
```

```
+-----+-----+-----+
| nip | nama  | kota  |
+-----+-----+-----+
| 2   | Wijaya | Bandung |
| 5   | Siska  | Bogor   |
| 3   | Jason  | Kalimantan |
| 4   | Jessica | Malang  |
+-----+-----+-----+
```

4 rows in set (0.004 sec)

```
MariaDB [jeffrey_2602158784]> select nip, nama, kota
-> from infoprib_784
-> group by kota having kota <> "Jakarta";
```

```
+-----+-----+-----+
| nip | nama  | kota  |
+-----+-----+-----+
| 2   | Wijaya | Bandung |
| 5   | Siska  | Bogor   |
| 3   | Jason  | Kalimantan |
| 4   | Jessica | Malang  |
+-----+-----+-----+
```

4 rows in set (0.001 sec)

```

MariaDB [jeffrey_2602158784]> create table pekerjaan_784 (
  -> nip varchar(5) not null,
  -> kode_bag char(1) not null,
  -> gaji int not null;
ERROR 1064 (42000): You have an error in your SQL syntax; check the
ght syntax to use near '' at line 4
MariaDB [jeffrey_2602158784]> create table pekerjaan_784 (
  -> nip varchar(5) not null,
  -> kode_bag char(1) not null,
  -> gaji int not null);
Query OK, 0 rows affected (0.061 sec)

MariaDB [jeffrey_2602158784]> insert into pekerjaan_784
  -> values
  -> ('1','A','1000');
Query OK, 1 row affected (0.010 sec)

MariaDB [jeffrey_2602158784]> insert into pekerjaan_784
  -> values
  -> ('2','B','2000');
Query OK, 1 row affected (0.005 sec)

MariaDB [jeffrey_2602158784]> insert into pekerjaan_784
  -> values
  -> ('3','B','2500');
Query OK, 1 row affected (0.005 sec)

MariaDB [jeffrey_2602158784]> insert into pekerjaan_784
  -> values
  -> ('4','C','1700');
Query OK, 1 row affected (0.004 sec)

```

```

MariaDB [jeffrey_2602158784]> insert into pekerjaan_784
  -> values
  -> ('5','C','1950');
Query OK, 1 row affected (0.005 sec)

```

```

MariaDB [jeffrey_2602158784]> select * from pekerjaan_784;

```

nip	kode_bag	gaji
1	A	1000
2	B	2000
3	B	2500
4	C	1700
5	C	1950

5 rows in set (0.000 sec)

```

MariaDB [jeffrey_2602158784]> select avg (gaji)
  -> from pekerjaan_784;

```

avg (gaji)
1830.0000

1 row in set (0.007 sec)

```

MariaDB [jeffrey_2602158784]> select avg (gaji) as 'Rata-Rata Gaji' from pekerjaan_784;

```

Rata-Rata Gaji
1830.0000

1 row in set (0.004 sec)

MariaDB [jeffrey_2602158784]> select count(nip) as 'Jumlah Pegawai' from pekerjaan_784;

-----+
Jumlah Pegawai
-----+
5
-----+

1 row in set (0.000 sec)

MariaDB [jeffrey_2602158784]> select max(gaji) as 'Gaji Tertinggi' from pekerjaan_784;

-----+
Gaji Tertinggi
-----+
2500
-----+

1 row in set (0.005 sec)

MariaDB [jeffrey_2602158784]> select gaji from pekerjaan_784
-> where gaji >= 1500 and gaji <= 2000;

-----+
gaji
-----+
2000
1700
1950
-----+

3 rows in set (0.001 sec)