

Tugas Praktikum

- Buat table pet dan isi datanya seperti berikut:

name	owner	species	sex	birth	death
Puffball	Diane	hamster	f	1999-03-03	NULL
Claws	Gwen	cat	m	1994-03-17	NULL
Fluffy	Harold	cat	f	1993-02-04	NULL
Buffy	Harold	dog	f	1989-05-13	NULL
Fang	Benny	dog	m	1990-08-27	NULL
Bowser	Diane	dog	m	1989-08-31	1995-07-29
Chirpy	Gwen	bird	f	1998-09-11	NULL
Whistler	Gwen	bird	NULL	1997-12-09	NULL
Slim	Benny	snake	m	1996-04-29	NULL

Tugas Praktikum

1. Tampilkan jumlah hewan yang dimiliki setiap owner.
2. Tampilkan jumlah hewan berdasarkan spesies
3. Tampilkan jumlah hewan berdasarkan jenis kelamin
4. Tampilkan jumlah hewan berdasarkan spesies dan jenis kelamin
5. Tampilkan jumlah hewan berdasarkan spesies (cat dan dog saja) dan jenis kelamin
6. Tampilkan jumlah hewan berdasarkan jenis kelamin yang diketahui saja

```
Administrator: C:\Windows\system32\cmd.exe
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 3
Server version: 10.1.32-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 latihan4;
Database changed
MariaDB [latihan4]> desc petshop;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| name  | varchar(40) | YES |     | NULL    |       |
| owner | varchar(20) | YES |     | NULL    |       |
| species | varchar(20) | YES |     | NULL    |       |
| sex   | char(2) | YES |     | NULL    |       |
| birth | date | YES |     | NULL    |       |
| death | date | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.22 sec)

MariaDB [latihan4]> insert into petshop (name,owner,species,sex,birth,death) values
-> ('Puffball','Diana','Hamster','f','1999-03-03',null),
-> ('Claws','Gwen','Cat','m','1994-03-17',null),
-> ('Fluffy','Harold','Cat','f','1993-02-04',null),
-> ('Buffy','Harold','Dog','m','1989-05-13',null),
-> ('Fang','Benny','Dog','m','1990-08-27',null),
-> ('Bowser','Diana','Dog','m','1989-08-31','1995-07-29'),
-> ('Chirpy','Gwen','Bird','f','1998-09-11',null),
-> ('Whistler','Gwen','Bird',null,'1997-12-09',null),
-> ('Slim','Benny','Snake','m','1996-04-29',null);
Query OK, 9 rows affected (0.11 sec)
Records: 9 Duplicates: 0 Warnings: 0

MariaDB [latihan4]> select * from petshop;
+-----+-----+-----+-----+-----+-----+
| name  | owner | species | sex | birth      | death      |
+-----+-----+-----+-----+-----+-----+
| Puffball | diana | hamster | f   | 1999-03-03 | NULL       |
| Claws   | gwen  | cat     | m   | 1994-03-17 | NULL       |
| Fluffy  | harold | cat     | f   | 1993-02-04 | NULL       |
| Buffy   | harold | dog     | m   | 1989-05-13 | NULL       |
| Fang    | benny  | dog     | m   | 1990-08-27 | NULL       |
| Bowser  | diana  | dog     | m   | 0000-00-00 | 1995-07-29 |
| Chirpy  | gwen   | bird    | f   | 1998-09-11 | NULL       |
| Whistler | gwen   | bird    | NULL | 1997-12-09 | NULL       |
| Slim    | benny  | snake   | m   | 1996-04-29 | NULL       |
| Puffball | Diana | Hamster | F   | 1999-03-03 | NULL       |
| Claws   | Gwen  | Cat     | M   | 1994-03-17 | NULL       |
| Fluffy  | Harold | Cat     | F   | 1993-02-04 | NULL       |
| Buffy   | Harold | Dog     | F   | 1989-05-13 | NULL       |
| Fang    | Benny  | Dog     | M   | 1990-08-27 | NULL       |
| Bowser  | Diana  | Dog     | M   | 1989-08-31 | 1995-07-29 |
| Chirpy  | Gwen   | Bird    | F   | 1998-09-11 | NULL       |
| Whistler | Gwen   | Bird    | NULL | 1997-12-09 | NULL       |
| Slim    | Benny  | Snake   | M   | 1996-04-29 | NULL       |
+-----+-----+-----+-----+-----+-----+
```

```
Administrator: C:\Windows\system32\cmd.exe
MariaDB [latihan4]> select owner, count(name) as jumlah_hewan_peliharaan from petshop group by owner;
+-----+-----+
| owner | jumlah_hewan_peliharaan |
+-----+-----+
| benny  | 1 |
| beny   | 1 |
| diana  | 4 |
| gwen   | 6 |
| harold | 4 |
+-----+-----+
5 rows in set (0.10 sec)

MariaDB [latihan4]> select species, count(species) as jumlah from petshop group by species;
+-----+-----+
| species | jumlah |
+-----+-----+
| bird    | 4 |
| Cat     | 4 |
| dog     | 6 |
| hamster | 2 |
| snake   | 2 |
+-----+-----+
5 rows in set (0.00 sec)

MariaDB [latihan4]> select sex, count(sex) as jumlah from petshop group by sex;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'sex, count(sex) as jumlah from petshop group by sex' at line 1
MariaDB [latihan4]> select sex, count(sex) as jumlah from petshop group by sex;
ERROR 1146 (42502): Table 'latihan4.petshop' doesn't exist
MariaDB [latihan4]> select sex, count(sex) as jumlah from petshop group by sex;
ERROR 1146 (42502): Table 'latihan4.petshop' doesn't exist
MariaDB [latihan4]> select species, sex, count(sex) as jumlah from petshop group by species, sex;
ERROR 1146 (42502): Table 'latihan4.petshop' doesn't exist
MariaDB [latihan4]> select species, sex, count(sex) as jumlah from petshop group by species, sex;
+-----+-----+-----+
| species | sex | jumlah |
+-----+-----+-----+
| bird    | NULL | 0 |
| bird    | f   | 2 |
| Cat     | f   | 2 |
| Cat     | m   | 2 |
| dog     | f   | 2 |
| dog     | m   | 4 |
| hamster | f   | 2 |
| snake   | m   | 2 |
+-----+-----+-----+
8 rows in set (0.00 sec)

MariaDB [latihan4]> select species, sex, count(sex) as jumlah from petshop group by species, sex having petshop.species = "Cat" or petshop.species = "Dog";
+-----+-----+-----+
| species | sex | jumlah |
+-----+-----+-----+
| Cat     | f   | 2 |
| Cat     | m   | 2 |
| dog     | f   | 2 |
| dog     | m   | 4 |
+-----+-----+-----+
Additional log on information may be required.
Click to open your browser
Desktop IN 8:24
```

```
Administrator: C:\Windows\system32\cmd.exe
ERROR 1146 (42502): Table 'latihan4.pet' doesn't exist
MariaDB [latihan4]> select species, sex, count(sex) as jumlah from petshop group by species, sex;
+-----+-----+-----+
| species | sex | jumlah |
+-----+-----+-----+
| bird   | NULL | 0       |
| bird   | f   | 2       |
| Cat    | f   | 2       |
| Cat    | m   | 2       |
| dog    | f   | 2       |
| dog    | m   | 4       |
| hamster| f   | 2       |
| snake  | m   | 2       |
+-----+-----+-----+
8 rows in set (0.00 sec)

MariaDB [latihan4]> select species, sex, count(sex) as jumlah from petshop group by species, sex having petshop.species = "Cat" or petshop.species = "Dog";
+-----+-----+-----+
| species | sex | jumlah |
+-----+-----+-----+
| Cat     | f   | 2       |
| Cat     | m   | 2       |
| dog     | f   | 2       |
| dog     | m   | 4       |
+-----+-----+-----+
4 rows in set (0.10 sec)

MariaDB [latihan4]> select species, count(sex) as jumlah from petshop group by species;
+-----+-----+
| species | jumlah |
+-----+-----+
| bird   | 2       |
| Cat    | 4       |
| dog    | 6       |
| hamster| 2       |
| snake  | 2       |
+-----+-----+
5 rows in set (0.00 sec)

MariaDB [latihan4]> exit;
Bye
C:\xampp\mysql\bin>
```