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## 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
Bouzer	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

## Jawab

Langkah-langkah :

1. Buat table baru dengan nama pet dengan cara yang sudah dijelaskan sebelumnya. **desc pet;** untuk melihatnya.

```
MariaDB [(none)]> use latihan01;
Database changed
MariaDB [latihan01]> desc pet;
```

Field	Type	Null	Key	Default	Extra
name	varchar(10)	YES		NULL	
owner	varchar(10)	YES		NULL	
species	varchar(10)	YES		NULL	
sex	varchar(1)	YES		NULL	
birth	date	YES		NULL	
death	date	YES		NULL	

```
6 rows in set (0.06 sec)
```

2. Isikan datanya dengan cara yang sudah dijelaskan sebelumnya. **select \* from pet;** untuk melihat isi datanya.

```
MariaDB [latihan01]> select * from pet;
```

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

```
9 rows in set (0.00 sec)
```

3. Tampilkan jumlah hewan yang dimiliki setiap owner.

```
MariaDB [latihan01]> select owner, count(name) as jumlah_hewan from pet group by owner;
+-----+-----+
| owner | jumlah_hewan |
+-----+-----+
| Benny |          2 |
| Diane |          2 |
| Gwen  |          3 |
| Harold |          2 |
+-----+-----+
4 rows in set (0.00 sec)
```

4. Tampilkan jumlah hewan berdasarkan spesies.

```
MariaDB [latihan01]> select species, count(species) as jumlah_hewan from pet group by species;
+-----+-----+
| species | jumlah_hewan |
+-----+-----+
| Bird    |          2 |
| Cat     |          2 |
| Dog     |          3 |
| Hamster |          1 |
| Snake   |          1 |
+-----+-----+
5 rows in set (0.00 sec)
```

5. Tampilkan jumlah hewan berdasarkan jenis kelamin.

```
MariaDB [latihan01]> select sex, count(name) as jumlah_hewan from pet group by sex;
+-----+-----+
| sex | jumlah_hewan |
+-----+-----+
| NULL |          1 |
| F    |          4 |
| M    |          4 |
+-----+-----+
3 rows in set (0.00 sec)
```

6. Tampilkan jumlah hewan berdasarkan spesies dan jenis kelamin.

```
MariaDB [latihan01]> select species, sex, count(name) as jumlah_hewan from pet group by species, sex;
+-----+-----+-----+
| species | sex | jumlah_hewan |
+-----+-----+-----+
| Bird    | NULL |          1 |
| Bird    | F    |          1 |
| Cat     | F    |          1 |
| Cat     | M    |          1 |
| Dog     | F    |          1 |
| Dog     | M    |          2 |
| Hamster | F    |          1 |
| Snake   | M    |          1 |
+-----+-----+-----+
8 rows in set (0.01 sec)
```

7. Tampilkan jumlah hewan berdasarkan spesis (cat dan dog saja) dan jenis kelamin.

```
MariaDB [latihan01]> select species, sex, count(name) as jumlah_hewan from pet group by species, sex
-> having pet.species ="Cat" or pet.species = "Dog";
```

species	sex	jumlah_hewan
Cat	F	1
Cat	M	1
Dog	F	1
Dog	M	2

```
4 rows in set (0.01 sec)
```

8. Tampilkan jumlah hewan berdasarkan jenis kelamin yang diketahui saja.

```
MariaDB [latihan01]> select sex, count(sex) as jumlah_hewan from pet group by sex;
```

sex	jumlah_hewan
NULL	0
F	4
M	4

```
3 rows in set (0.00 sec)
```