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PRAKTIKUM 4

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

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

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Whistler	Gwen	bird	NULL	1997-12-09	NULL
Slim	Benny	snake	m	1996-04-29	NULL

Langkah-langkah membuat table pet

- ❑ Create database praktikum4;
- ❑ Use praktikum4;
- ❑ Create table pet
- ❑ Kemudian isi data sebagai berikut

```
MariaDB [(none)]> create database praktikum4;
Query OK, 1 row affected (0.01 sec)

MariaDB [(none)]> use praktikum4;
Database changed
MariaDB [praktikum4]> create table pet
-> (nama varchar(10) not null,
-> owner varchar(10) not null,
-> species varchar(8) not null,
-> sex varchar(4) null,
-> birth varchar(10) not null,
-> death varchar(10) null);
Query OK, 0 rows affected (0.70 sec)

MariaDB [praktikum4]> desc pet;
```

Field	Type	Null	Key	Default	Extra
nama	varchar(10)	NO		NULL	
owner	varchar(10)	NO		NULL	
species	varchar(8)	NO		NULL	
sex	varchar(4)	YES		NULL	
birth	varchar(10)	NO		NULL	
death	varchar(10)	YES		NULL	

6 rows in set (0.13 sec)

Insert into pet

- ❑ (nama,owner,species,sex,birth,death)
- ❑ Values
- ❑ Lalu input data sebagai berikut;

```
MariaDB [praktikum4]> insert into pet
-> (nama,owner,species,sex,birth,death)
-> values
-> ('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);
Query OK, 9 rows affected (0.14 sec)
Records: 9 Duplicates: 0 Warnings: 0
```

Select*from pet;

```
MariaDB [praktikum4]> select*from pet;
```

nama	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)

1. Tampilkan jumlah hewan yang dimiliki setiap owner.

☐ Select owner,count(*) from pet group by owner;

```
MariaDB [praktikum4]> select owner,count(*) from pet group by owner;
+-----+-----+
| owner | count(*) |
+-----+-----+
| benny | 2        |
| diane | 2        |
| gwen  | 3        |
| harold | 2       |
+-----+-----+
4 rows in set (0.08 sec)
```

2. Tampilkan jumlah hewan berdasarkan spesies.

☐ Select species,count(*) from pet group by species;

```
MariaDB [praktikum4]> select species,count(*) from pet group by species;
+-----+-----+
| species | count(*) |
+-----+-----+
| bird    | 2        |
| cat     | 2        |
| dog     | 3        |
| hamster | 1        |
| snake   | 1        |
+-----+-----+
5 rows in set (0.00 sec)
```

3. Tampilkan jumlah hewan berdasarkan jenis kelamin

☐ Select sex,count(*) from pet group by sex;

```
MariaDB [praktikum4]> select sex,count(*) from pet group by sex;
+-----+-----+
| sex | count(*) |
+-----+-----+
| NULL | 1        |
| f    | 4        |
| m    | 4        |
+-----+-----+
3 rows in set (0.00 sec)
```

4. Tampilkan jumlah hewan berdasarkan spesies dan jenis kelamin

☐ Select species,sex,count(*) from pet group byspecies,sex;

```
MariaDB [praktikum4]> select species,sex,count(*) from pet group by species,sex;
+-----+-----+-----+
| species | sex | count(*) |
+-----+-----+-----+
| bird    | NULL | 1        |
| bird    | f    | 1        |
| cat     | f    | 1        |
| cat     | m    | 1        |
| dog     | f    | 1        |
| dog     | m    | 2        |
| hamster | f    | 1        |
| snake   | m    | 1        |
+-----+-----+-----+
```

5. Tampilkan jumlah hewan berdasarkan spesies (cat dan dog saja) dan jenis kelamin

Select species,sex,count(*) from pet

- ☐ Where species <> 'bird'
- ☐ And species <> 'snake'
- ☐ And species <> 'sex';

```
MariaDB [praktikum4]: select species,sex,count(*) from pet
-> where species <> 'hamster'
-> and species <> 'bird'
-> and species <> 'snake'
-> group by species,sex;
+-----+-----+-----+
| species | sex | count(*) |
+-----+-----+-----+
| cat     | f   | 1        |
| cat     | m   | 1        |
| dog     | f   | 1        |
| dog     | m   | 2        |
+-----+-----+-----+
4 rows in set (0.07 sec)
```

6. Tampilkan jumlah hewan berdasarkan jenis kelamin yang diketahui saja

Select species sex,count(*) from pet

- ☐ Where sex <> 'null'
- ☐ Group by sex;

```
MariaDB [praktikum4]: select sex,count(*) from pet
-> where sex <> 'null'
-> group by sex;
+-----+-----+
| sex | count(*) |
+-----+-----+
| f   | 4        |
| m   | 4        |
+-----+-----+
2 rows in set (0.00 sec)
```