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Perintah-perintah SQL percobaan di atas beserta outputnya

1. Membuat database

```
CREATE DATABASE Praktikum4_1;
```

2. Masuk ke database

```
Use Praktikum4_1;
```

3. Membuat table

```
CREATE TABLE daftar_hewan (  
  id VARCHAR(5) NOT NULL,  
  nama TEXT(8) NOT NULL,  
  owner VARCHAR(7) NOT NULL,  
  species TEXT(7) NOT NULL,  
  sex TEXT(4) NOT NULL  
);
```

4. Menjadikan nim sebagai primary key

```
ALTER TABLE data_pegawai ADD PRIMARY KEY(id);
```

5. Mengisi table data\_pegawai

```
INSERT INTO daftar_hewan  
VALUES ('p1', 'Puffball', 'Diane', 'Hamster', 'f');  
INSERT INTO daftar_hewan  
VALUES ('p2', 'Claws', 'Gwen', 'cat', 'm');  
INSERT INTO daftar_hewan  
VALUES ('p3', 'Fluffy', 'Haro 1d', 'cat', 'f');  
INSERT INTO daftar_hewan  
VALUES ('p4', 'Buffy', 'Haro 1d', 'dog', 'f');  
INSERT INTO daftar_hewan  
VALUES ('p5', 'Fang', 'Benny', 'dog', 'm');  
INSERT INTO daftar_hewan  
VALUES ('p6', 'Bowser', 'Diane', 'dog', 'm');  
INSERT INTO daftar_hewan  
VALUES ('p7', 'Chirpy', 'Gwen', 'bird', 'f');  
INSERT INTO daftar_hewan  
VALUES ('p8', 'Whistier', 'Gwen', 'bird', 'NULL');  
INSERT INTO daftar_hewan  
VALUES ('p9', 'Slim', 'Benny', 'snake', 'm');
```

6. Menampilkan jumlah hewan yang dimiliki setiap owner

```
SELECT owner, COUNT(id) AS JUMLAH FROM daftar_hewan GROUP BY owner;
```

	owner	JUMLAH
▶	Diane	2
	Gwen	3
	Haro 1d	2
	Benny	2

7. Menampilkan jumlah hewan berdasarkan species

```
SELECT species, COUNT(id) AS JUMLAH FROM daftar_hewan GROUP BY species;
```

	species	JUMLAH
▶	Hamster	1
	cat	2
	dog	3
	bird	2
	snake	1

8. Menampilkan jumlah hewan berdasarkan jenis kelamin

```
SELECT SEX, COUNT(sex) AS JUMLAH FROM daftar_hewan GROUP BY sex;
```

	SEX	JUMLAH
▶	f	4
	m	4
	NULL	1

9. Menampilkan jumlah hewan berdasarkan species dan jenis kelamin

```
SELECT species, sex, COUNT(*) AS JUMLAH FROM daftar_hewan GROUP BY species, sex;
```

	species	sex	JUMLAH
▶	Hamster	f	1
	cat	m	1
	cat	f	1
	dog	f	1
	dog	m	2
	bird	f	1
	bird	NULL	1
	snake	m	1

10. Menampilkan jumlah hewan berdasarkan species (cat dan dog) dan jenis kelamin

```
SELECT species, sex, COUNT(*) AS JUMLAH FROM daftar_hewan
WHERE species='cat' OR species='dog'
GROUP BY species, sex;
```

	species	sex	JUMLAH
▶	cat	m	1
	cat	f	1
	dog	f	1
	dog	m	2

11. Menampilkan jumlah hewan berdasarkan jenis kelamin yang sudah di ketahui

```
SELECT * FROM daftar_hewan WHERE sex<>'NULL';
```

	id	nama	owner	species	sex
▶	p1	Puffball	Diane	Hamster	f
	p2	Claws	Gwen	cat	m
	p3	Fluffy	Haro 1d	cat	f
	p4	Buffy	Haro 1d	dog	f
	p5	Fang	Benny	dog	m
	p6	Bowser	Diane	dog	m
	p7	Chirpy	Gwen	bird	f
	p9	Slim	Benny	snake	m
*	NULL	NULL	NULL	NULL	NULL

### Outputnya

	id	nama	owner	species	sex
▶	p1	Puffball	Diane	Hamster	f
	p2	Claws	Gwen	cat	m
	p3	Fluffy	Haro 1d	cat	f
	p4	Buffy	Haro 1d	dog	f
	p5	Fang	Benny	dog	m
	p6	Bowser	Diane	dog	m
	p7	Chirpy	Gwen	bird	f
	p8	Whistier	Gwen	bird	NULL
	p9	Slim	Benny	snake	m
*	NULL	NULL	NULL	NULL	NULL