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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 |