

TUGAS PRAKTIKUM 4

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- **Praktikum**

- ❖ Buat tabel hewan dan isi datanya

```
use praktikum4;

create table pegawai( idpegawai varchar(20), nama_depan varchar(20),
nama_belakang varchar(20), email varchar(20), telepon varchar(20),tgl_kontrak
varchar(20), id_job varchar(20), gaji varchar(20), tunjangan varchar(20));

insert into pegawai ( idpegawai, nama_depan, nama_belakang, email, telepon,
tgl_kontrak, id_job, gaji, tunjangan) value

('E001','ferry','gustiawan','ferry@yahoo.com','07117059004','2005-09-
01','L0001','2000000','500000'),('E002','aris','ganiardi','aris@yahoo.com','0813123
45678','2006-09-01','-
L0002','2000000','200000'),('E003','faiz','ahnad','faiz@gmail.com','081367384322'
,'2006-10-
01','L0003','1500000','NULL'),('E004','emna','bunton','enna@gmail.com','0813634
84342','2006-10-
01','L0004','1500000','9'),('E005','mike','scoff','mike@plasa.com','08163454555','2
007-09-
```

| | idpegawai | nama_depan | nama_belakang | email | telepon | tgl_kontrak | id_job | gaji | tunjangan |
|---|-----------|------------|---------------|-----------------|--------------|-------------|--------|---------|-----------|
| | E001 | ferry | gustiawan | ferry@yahoo.com | 07117059004 | 2005-09-01 | L0001 | 2000000 | 500000 |
| | E002 | aris | ganiardi | aris@yahoo.com | 081312345678 | 2006-09-01 | L0002 | 2000000 | 200000 |
| | E003 | faiz | ahnad | faiz@gmail.com | 081367384322 | 2006-10-01 | L0003 | 1500000 | NULL |
| | E004 | emna | bunton | enna@gmail.com | 081363484342 | 2006-10-01 | L0004 | 1500000 | 9 |
| ► | E005 | mike | scoff | mike@plasa.com | 08163454555 | 2007-09-01 | L0005 | 1250000 | 9 |
| | E006 | lincoln | burrows | linc@yahoo.com | 08527388432 | 2008-09-01 | L0006 | 1750000 | NULL |

1. Tampilkan pegawai yang gajinya bukan 2.000.000 dan 1.250.000

```
select *from pegawai where gaji <>'2000000' and gaji <>'1750000';
```

```
select *from pegawai where tunjangan = 'NULL';
```

| | idpegawai | nama_depan | nama_belakang | email | telepon | tgl_kontrak | id_job | gaji | tunjangan |
|---|-----------|------------|---------------|----------------|--------------|-------------|--------|---------|-----------|
| ► | E003 | faiz | ahnad | faiz@gmail.com | 081367384322 | 2006-10-01 | L0003 | 1500000 | NULL |
| | E004 | emna | bunton | enna@gmail.com | 081363484342 | 2006-10-01 | L0004 | 1500000 | 9 |
| | E005 | mike | scoff | mike@plasa.com | 08163454555 | 2007-09-01 | L0005 | 1250000 | 9 |

2. Tampilkan pegawai yang tunjangan null

| | idpegawai | nama_depan | nama_belakang | email | telepon | tgl_kontrak | id_job | gaji | tunjangan |
|---|-----------|------------|---------------|----------------|--------------|-------------|--------|---------|-----------|
| ► | E003 | faiz | ahnad | faiz@gmail.com | 081367384322 | 2006-10-01 | L0003 | 1500000 | NULL |
| | E006 | lincoln | burrows | linc@yahoo.com | 08527388432 | 2008-09-01 | L0006 | 1750000 | NULL |

3. Tampilkan pegawai yang tunjangannya tidak null

```
select *from pegawai where tunjangan <> 'NULL';
```

| | idpegawai | nama_depan | nama_belakang | email | telepon | tgl_kontrak | id_job | gaji | tunjangan |
|---|-----------|------------|---------------|-----------------|--------------|-------------|--------|---------|-----------|
| ► | E001 | ferry | gustiawan | ferry@yahoo.com | 07117059004 | 2005-09-01 | L0001 | 2000000 | 500000 |
| | E002 | aris | ganiardi | aris@yahoo.com | 081312345678 | 2006-09-01 | L0002 | 2000000 | 200000 |
| | E004 | emna | bunton | enna@gmail.com | 081363484342 | 2006-10-01 | L0004 | 1500000 | 9 |
| | E005 | mike | scoff | mike@plasa.com | 08163454555 | 2007-09-01 | L0005 | 1250000 | 9 |

4. Tampilkan/hitung jumlah baris/record tabel pegawai

```
select count(idpegawai) from pegawai;
```

| | |
|---|------------------|
| | count(idpegawai) |
| ▶ | 6 |

5. Tampilkan/hitung jumlah total gaji di table pegawai

```
select sum(gaji) from pegawai;
```

| | |
|---|-----------|
| | sum(gaji) |
| ▶ | 10000000 |

6. Tampilkan/hitung rata-rata gaji pegawai

```
select avg(gaji) from pegawai;
```

| | |
|---|--------------------|
| | avg(gaji) |
| ▶ | 1666666.6666666667 |

7. Tampilkan gaji terkecil

```
select min(gaji) from pegawai;
```

| | |
|---|-----------|
| | min(gaji) |
| ▶ | 1250000 |

8. Tampilkan gaji terbesar

```
select max(gaji) from pegawai;
```

| | |
|---|-----------|
| | max(gaji) |
| ▶ | 2000000 |

- **Praktikum**

- ❖ Buat tabel hewan dan isi datanya

```
INSERT INTO `hewan` (`id`,`nama`,`pemilik`,`spesies`,`sex`) VALUE
('p1','puffball','Diane','Hamster','f');
```

```
INSERT INTO `hewan` (`id`,`nama`,`pemilik`,`spesies`,`sex`) VALUE
('p2','claws','Gwen','cat','m');
```

```
INSERT INTO `hewan` (`id`,`nama`,`pemilik`,`spesies`,`sex`) VALUE
('p3','fluffy','Haro 1d','cat','f');
```

```
INSERT INTO `hewan` (`id`,`nama`,`pemilik`,`spesies`,`sex`) VALUE
('p4','buffy','Haro 1d','dog','f');
```

```
INSERT INTO `hewan` (`id`,`nama`,`pemilik`,`spesies`,`sex`) VALUE
('p5','fang','Benny','dog','m');
```

```
INSERT INTO `hewan` (`id`,`nama`,`pemilik`,`spesies`,`sex`) VALUE
('p6','browser','Diane','dog','m');
```

```
INSERT INTO `hewan` (`id`,`nama`,`pemilik`,`spesies`,`sex`) VALUE
('p7','chirpy','Gwen','bird','f');
```

```
INSERT INTO `hewan` (`id`,`nama`,`pemilik`,`spesies`,`sex`) VALUE
('p8','whistlet','Gwen','bird','null');
```

```
INSERT INTO `hewan` (`id`,`nama`,`pemilik`,`spesies`,`sex`) VALUE
('p9','slim','Benny','snake','m');
```

| | id | nama | pemilik | spesies | 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 | browser | Diane | dog | m |
| | p7 | chirpy | Gwen | bird | f |
| | p8 | whistlet | Gwen | bird | null |
| | p9 | slim | Benny | snake | m |

1. Tampilkan jumlah hewan yang dimiliki setiap owner

```
select pemilik, count(pemilik) as jumlah from hewan group by pemilik;
```

| | pemilik | jumlah |
|---|---------|--------|
| ▶ | Diane | 2 |
| | Gwen | 3 |
| | Haro 1d | 2 |
| | Benny | 2 |

2. Tampilkan jumlah hewan berdasarkan spesies

```
select spesies, count(spesies) as jumlah from hewan  
group by spesies;
```

| | spesies | jumlah |
|---|---------|--------|
| ▶ | Hamster | 1 |
| | cat | 2 |
| | dog | 3 |
| | bird | 2 |
| | snake | 1 |

3. Tampilkan jumlah hewan berdasarkan jenis kelamin

```
select sex, count(sex) as jumlah from hewan group by sex;
```

| | sex | jumlah |
|---|------|--------|
| ▶ | f | 4 |
| | m | 4 |
| | null | 1 |

4. Tampilkan jumlah hewan berdasarkan spesies dan jenis kelamin

```
select spesies,sex, count(sex), as jumlah from hewan group  
by sex, spesies;
```

| | species | sex | count(sex) | jumlah |
|---|---------|------|------------|--------|
| ► | Hamster | f | 1 | 1 |
| | cat | m | 1 | 1 |
| | cat | f | 1 | 1 |
| | dog | f | 1 | 1 |
| | dog | m | 2 | 2 |
| | bird | f | 1 | 1 |
| | bird | null | 1 | 1 |
| | snake | m | 1 | 1 |

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

```
select species,sex, count(*) as jumlah from hewan where
species ='dog' or species = 'cat' group by sex, species;
```

| | species | sex | jumlah |
|---|---------|-----|--------|
| ► | cat | m | 1 |
| | cat | f | 1 |
| | dog | f | 1 |
| | dog | m | 2 |

6. Tampilkan jumlah hewan berdasarkan jenis kelamin yang diketahui saja

```
select species,sex, count(*) as jumlah from hewan where
species <> 'null' group by sex, species;
```

| | species | sex | jumlah |
|---|---------|-----|--------|
| ► | Hamster | f | 1 |
| | cat | m | 1 |
| | cat | f | 1 |
| | dog | f | 1 |
| | dog | m | 2 |
| | bird | f | 1 |
| | snake | m | 1 |