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Perintah-perintah SQL percobaan di atas beserta outputnya

1. Membuat database

```
CREATE DATABASE Praktikum4;
```

2. Masuk ke database

```
Use Praktikum4;
```

3. Membuat table

```
CREATE TABLE data_pegawai (  
    idpegawai VARCHAR(4) NOT NULL,  
    nama_depan TEXT(10) NOT NULL,  
    nama_belakang TEXT(10) NOT NULL,  
    email TEXT(20) NOT NULL,  
    telepon VARCHAR(12) NOT NULL,  
    tgl_kontrak VARCHAR(10) NOT NULL,  
    id_job VARCHAR(5) NOT NULL,  
    gaji VARCHAR(7) NOT NULL,  
    tunjangan VARCHAR(6) NOT NULL  
);
```

4. Menjadikan nim sebagai primary key

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

5. Mengisi table data_pegawai

```
INSERT INTO data_pegawai  
VALUES ('E001', 'Ferry', 'gustiawan', 'ferry@yahoo.com', '07117059004', '2005-09-01', 'L0001',  
'2000000', '500000');  
INSERT INTO data_pegawai  
VALUES ('E002', 'aris', 'ginardi', 'aris@yahoo.com', '081312345678', '2006-09-01', 'L0002',  
'2000000', '200000');  
INSERT INTO data_pegawai  
VALUES ('E003', 'faiz', 'ahnad', 'faiz@gmail.com', '081367384322', '2006-10-01', 'L0003', '1500000',  
'NULL');  
INSERT INTO data_pegawai  
VALUES ('E004', 'emna', 'bunton', 'enna@gmail.com', '081363484342', '2006-10-01', 'L0004',  
'1500000', '9');  
INSERT INTO data_pegawai  
VALUES ('E005', 'mike', 'scolf', 'mike@plasa.com', '08163454555', '2007-09-01', 'L0005', '1250000',  
'9');
```

```
INSERT INTO data_pegawai
VALUES ('E006', 'lincoln', 'borrows', 'linc@yahoo.com', '08527388432', '2008-09-01', 'L0006',
'1750000', 'NULL');
```

6. Menampilkan pegawai yang gajinya bukan 2.000.000 dan 1.250.000

```
SELECT * FROM data_pegawai WHERE gaji <> '2000000' AND gaji <> '1250000';
```

| | 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 |
| | E006 | lincoln | borrows | linc@yahoo.com | 08527388432 | 2008-09-01 | L0006 | 1750000 | NULL |
| * | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

7. Menampilkan pegawai yang tunjangannya NULL

```
SELECT * FROM data_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 |
| | E006 | lincoln | borrows | linc@yahoo.com | 08527388432 | 2008-09-01 | L0006 | 1750000 | NULL |
| * | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

8. Menampilkan pegawai yang tunjangannya tidak NULL

```
SELECT * FROM data_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 | ginardi | 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 | scolf | mike@plasa.com | 08163454555 | 2007-09-01 | L0005 | 1250000 | 9 |
| * | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL | NULL |

9. Menampilkan/menghitung jumlah baris/record table pegawai

```
SELECT COUNT(idpegawai) FROM data_pegawai;
```

| | COUNT(idpegawai) |
|---|------------------|
| ▶ | 6 |

10. Menampilkan/menghitung jumlah total gaji di tabel pegawai

```
SELECT SUM(gaji) AS JUMLAH FROM data_pegawai;
```

| | JUMLAH |
|---|----------|
| ▶ | 10000000 |

11. Menampilkan/menghitung rata-rata gaji pegawai

```
SELECT AVG(gaji) AS RATARATA FROM data_pegawai;
```

| | RATARATA |
|---|-------------------|
| ▶ | 1666666.666666667 |

12. Menampilkan gaji terkecil

```
SELECT MIN(gaji) AS TERMURAH FROM data_pegawai;
```

| | TERMURAH |
|---|----------|
| ▶ | 1250000 |

13. Menampilkan gaji terbesar

```
SELECT MAX(gaji) AS TERMAHAL FROM data_pegawai;
```

| | |
|---|----------|
| | TERMAHAL |
| ▶ | 2000000 |

Outputnya

[illegible]