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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
▶	1666666.6666666667

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

	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
	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	scolf	mike@plasa.com	08163454555	2007-09-01	L0005	1250000	9
	E006	lincoln	borrows	linc@yahoo.com	08527388432	2008-09-01	L0006	1750000	NULL
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL