

## 1. Buat tabel

```
Command Prompt - mysql -u root
Database changed
MariaDB [data_pegawai]> create table pegawai(idpegawai char(6) not null default '',
-> namadepan varchar(20),
-> namabelakang varchar(25) not null default '',
-> email varchar(25) not null default '',
-> telepon varchar(20),
-> tgltkontrak date not null,
-> idjob varchar(10) not null default '',
-> gaji int(8),
-> tunjangan int(8),
-> idmanajer char(6),
-> iddepartemen char(4));
Query OK, 0 rows affected (0.470 sec)

MariaDB [data_pegawai]> desc pegawai;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| idpegawai | char(6) | NO | | | |
| namadepan | varchar(20) | YES | | NULL | |
| namabelakang | varchar(25) | NO | | | |
| email | varchar(25) | NO | | | |
| telepon | varchar(20) | YES | | NULL | |
| tgltkontrak | date | NO | | NULL | |
| idjob | varchar(10) | NO | | | |
| gaji | int(8) | YES | | NULL | |
| tunjangan | int(8) | YES | | NULL | |
| idmanajer | char(6) | YES | | NULL | |
| iddepartemen | char(4) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
11 rows in set (0.016 sec)

MariaDB [data_pegawai]> _
```

## 2. Isi tabel dari data

```
Command Prompt - mysql -u root

+-----+-----+-----+-----+-----+-----+
| idjob | varchar(10) | NO | | NULL | |
| gaji | int(8) | YES | | NULL | |
| tunjangan | int(8) | YES | | NULL | |
| idmanajer | char(6) | YES | | NULL | |
| iddepartemen | char(4) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
11 rows in set (0.017 sec)

MariaDB [data_pegawai]> insert into pegawai values('E001','ferry','gustiawan','ferry@yahoo.com','07117059004','2005-09-01','L0001',500000,500000,'al','com1'),
-> ('E002','aris','ganiardi','aris@yahoo.com','081312345678','2006-09-01','L0002',200000,200000,'hs','com1'),
-> ('E003','faiz','ahmad','faiz@yahoo.com','081367384322','2006-10-01','L0003',150000,0,'bx','com1'),
-> ('E004','emma','hunton','emma@gmail.com','081363484342','2006-10-01','L0004',150000,0,'cx','com1'),
-> ('E005','nike','scoff','nike@plasa.com','08163454555','2007-09-01','L0005',125000,0,'dx','com1');
Query OK, 5 rows affected (0.056 sec)
Records: 5 Duplicates: 0 Warnings: 0

MariaDB [data_pegawai]> select * from pegawai;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| idpegawai | namadepan | namabelakang | email | telepon | tgltkontrak | idjob | gaji | tunjangan | idmanajer | iddepartemen |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| E001 | ferry | gustiawan | ferry@yahoo.com | 07117059004 | 2005-08-01 | L0001 | 200000 | 500000 | al | com |
| E001 | ferry | gustiawan | ferry@yahoo.com | 07117059004 | 2005-09-01 | L0001 | 500000 | 500000 | al | com1 |
| E002 | aris | ganiardi | aris@yahoo.com | 081312345678 | 2006-09-01 | L0002 | 200000 | 200000 | hs | com1 |
| E003 | faiz | ahmad | faiz@yahoo.com | 081367384322 | 2006-10-01 | L0003 | 150000 | 0 | bx | com1 |
| E004 | emma | hunton | emma@gmail.com | 081363484342 | 2006-10-01 | L0004 | 150000 | 0 | cx | com1 |
| E005 | nike | scoff | nike@plasa.com | 08163454555 | 2007-09-01 | L0005 | 125000 | 0 | dx | com1 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
6 rows in set (0.055 sec)

MariaDB [data_pegawai]> _
```

### 3. Nomor 3,4,5

```
Command Prompt - mysql -u root
-> ('E005','nike','scoff','nike@plasa.com','08163454555','2007-09-01','L0005',1250000,0,'dx','com1');
Query OK, 5 rows affected (0.056 sec)
Records: 5 Duplicates: 0 Warnings: 0

MariaDB [data_pegawai]> select * from pegawai;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| idpegawai | namadepan | namabelakang | email | telepon | tglkontrak | idjob | gaji | tunjangan | idmanajer | iddepartemen |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| E001 | ferry | gustiawan | ferry@yahoo.com | 07117059004 | 2005-08-01 | L0001 | 2000000 | 500000 | al | com1 |
| E001 | ferry | gustiawan | ferry@yahoo.com | 07117059004 | 2005-09-01 | L0001 | 5000000 | 500000 | al | com1 |
| E002 | aris | ganiardi | aris@yahoo.com | 081312345678 | 2006-09-01 | L0002 | 2000000 | 200000 | hs | com1 |
| E003 | faiz | ahmad | faiz@yahoo.com | 081367384322 | 2006-10-01 | L0003 | 1500000 | 0 | bx | com1 |
| E004 | emma | hunton | emma@gmail.com | 081363484342 | 2006-10-01 | L0004 | 1500000 | 0 | cx | com1 |
| E005 | nike | scoff | nike@plasa.com | 08163454555 | 2007-09-01 | L0005 | 1250000 | 0 | dx | com1 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
6 rows in set (0.055 sec)

MariaDB [data_pegawai]> select idpegawai,namabelakang,gaji from pegawai;
+-----+-----+-----+
| idpegawai | namabelakang | gaji |
+-----+-----+-----+
| E001 | gustiawan | 2000000 |
| E001 | gustiawan | 5000000 |
| E002 | ganiardi | 2000000 |
| E003 | ahmad | 1500000 |
| E004 | hunton | 1500000 |
| E005 | scoff | 1250000 |
+-----+-----+-----+
6 rows in set (0.001 sec)

MariaDB [data_pegawai]> select idpegawai,namabelakang,gaji,tunjangan,tunjangan+gaji from pegawai;
+-----+-----+-----+-----+-----+
| idpegawai | namabelakang | gaji | tunjangan | tunjangan+gaji |
+-----+-----+-----+-----+-----+
| E001 | gustiawan | 2000000 | 500000 | 2500000 |
| E001 | gustiawan | 5000000 | 500000 | 5500000 |
| E002 | ganiardi | 2000000 | 200000 | 2200000 |
| E003 | ahmad | 1500000 | 0 | 1500000 |
| E004 | hunton | 1500000 | 0 | 1500000 |
| E005 | scoff | 1250000 | 0 | 1250000 |
+-----+-----+-----+-----+-----+
6 rows in set (0.001 sec)

MariaDB [data_pegawai]>
```

### 4. Nomor 6 dan 7

```
MariaDB [data_pegawai]> update pegawai set tunjangan= null where idpegawai='E003';
Query OK, 1 row affected (0.115 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [data_pegawai]> select idpegawai,namabelakang,gaji,tunjangan,tunjangan+gaji from pegawai;
+-----+-----+-----+-----+-----+
| idpegawai | namabelakang | gaji | tunjangan | tunjangan+gaji |
+-----+-----+-----+-----+-----+
| E001 | gustiawan | 2000000 | 500000 | 2500000 |
| E001 | gustiawan | 5000000 | 500000 | 5500000 |
| E002 | ganiardi | 2000000 | 200000 | 2200000 |
| E003 | ahmad | 1500000 | NULL | NULL |
| E004 | hunton | 1500000 | 0 | 1500000 |
| E005 | scoff | 1250000 | 0 | 1250000 |
+-----+-----+-----+-----+-----+
6 rows in set (0.001 sec)

MariaDB [data_pegawai]> select idpegawai,namabelakang,gaji,tunjangan,tunjangan+gaji as total_pendapatan from pegawai;
+-----+-----+-----+-----+-----+
| idpegawai | namabelakang | gaji | tunjangan | total_pendapatan |
+-----+-----+-----+-----+-----+
| E001 | gustiawan | 2000000 | 500000 | 2500000 |
| E001 | gustiawan | 5000000 | 500000 | 5500000 |
| E002 | ganiardi | 2000000 | 200000 | 2200000 |
| E003 | ahmad | 1500000 | NULL | NULL |
| E004 | hunton | 1500000 | 0 | 1500000 |
| E005 | scoff | 1250000 | 0 | 1250000 |
+-----+-----+-----+-----+-----+
6 rows in set (0.057 sec)

MariaDB [data_pegawai]>
```

## 5. Nomor 8

```

Command Prompt - mysql -u root

E001 | gustiawan | 5000000 | 500000 | 5500000
E002 | ganiardi | 2000000 | 200000 | 2200000
E003 | ahmad | 1500000 | NULL | NULL
E004 | hunton | 1500000 | 0 | 1500000
E005 | scoff | 1250000 | 0 | 1250000
-----+-----
6 rows in set (0.057 sec)

MariaDB [data_pegawai]> insert into pegawai values('E006','lincoln','burrows','line@yahoo.com','085275384544','2008-09-01','L006',1750000,null,'ex','com1');
Query OK, 1 row affected (0.101 sec)

MariaDB [data_pegawai]> select * from pegawai;
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----
idpegawai | namadepan | namabelakang | email | telepon | tglkontrak | idjob | gaji | tunjangan | idmanajer | iddepartemen
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----
E001 | ferry | gustiawan | ferry@yahoo.com | 07117059004 | 2005-08-01 | L0001 | 2000000 | 500000 | al | com
E001 | ferry | gustiawan | ferry@yahoo.com | 07117059004 | 2005-09-01 | L0001 | 5000000 | 500000 | al | com1
E002 | aris | ganiardi | aris@yahoo.com | 081312345678 | 2006-09-01 | L0002 | 2000000 | 200000 | hs | com1
E003 | faiz | ahmad | faiz@yahoo.com | 081367384322 | 2006-10-01 | L0003 | 1500000 | NULL | bx | com1
E004 | emma | hunton | emma@gmail.com | 081363484342 | 2006-10-01 | L0004 | 1500000 | 0 | cx | com1
E005 | nike | scoff | nike@plasa.com | 08163454555 | 2007-09-01 | L0005 | 1250000 | 0 | dx | com1
E006 | lincoln | burrows | line@yahoo.com | 085275384544 | 2008-09-01 | L006 | 1750000 | NULL | ex | com1
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----
7 rows in set (0.001 sec)

```

## 6. Nomor 9

```

MariaDB [data_pegawai]> update pegawai set idmanajer='al' where idmanajer='E004' or idmanajer='E005';
Query OK, 0 rows affected (0.001 sec)
Rows matched: 0 Changed: 0 Warnings: 0

MariaDB [data_pegawai]> select * from pegawai;
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----
idpegawai | namadepan | namabelakang | email | telepon | tglkontrak | idjob | gaji | tunjangan | idmanajer | iddepartemen
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----
E001 | ferry | gustiawan | ferry@yahoo.com | 07117059004 | 2005-08-01 | L0001 | 2000000 | 500000 | al | com
E001 | ferry | gustiawan | ferry@yahoo.com | 07117059004 | 2005-09-01 | L0001 | 5000000 | 500000 | al | com1
E002 | aris | ganiardi | aris@yahoo.com | 081312345678 | 2006-09-01 | L0002 | 2000000 | 200000 | hs | com1
E003 | faiz | ahmad | faiz@yahoo.com | 081367384322 | 2006-10-01 | L0003 | 1500000 | NULL | bx | com1
E004 | emma | hunton | emma@gmail.com | 081363484342 | 2006-10-01 | L0004 | 1500000 | 0 | al | com1
E005 | nike | scoff | nike@plasa.com | 08163454555 | 2007-09-01 | L0005 | 1250000 | 0 | al | com1
E006 | lincoln | burrows | line@yahoo.com | 085275384544 | 2008-09-01 | L006 | 1750000 | NULL | ex | com1
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----
7 rows in set (0.001 sec)

MariaDB [data_pegawai]>

```

```
> Command Prompt - mysql -u root
Type 'help;' or '\h' for help. Type 'c' to clear the current input statement.
```

```
MariaDB [(none)]> use data_pegawai;
```

```
Database changed
```

```
MariaDB [data_pegawai]> select * from pegawai where gaji>=1250000 and gaji<=1750000;
```

idpegawai	namadepan	namabelakang	email	telepon	tgkontrak	idjob	gaji	tunjangan	idmanajer	iddepartemen
E003	faiz	ahmad	faiz@yahoo.com	081367384322	2006-10-01	L0003	1500000	NULL	bx	com1
E005	emma	hunton	emmagmail.com	081363484342	2006-10-01	L0004	1500000	0	al	com1
E005	nike	scoff	nike@plasa.com	08163454555	2007-09-01	L0005	1250000	0	al	com1
E006	lincoln	burrows	line@yahoo.com	085275384544	2008-09-01	L006	1750000	NULL	ex	com1

```
4 rows in set (0.001 sec)
```

```
MariaDB [data_pegawai]> select * from pegawai order by namabelakang asc;
```

idpegawai	namadepan	namabelakang	email	telepon	tgkontrak	idjob	gaji	tunjangan	idmanajer	iddepartemen
E003	faiz	ahmad	faiz@yahoo.com	081367384322	2006-10-01	L0003	1500000	NULL	bx	com1
E006	lincoln	burrows	line@yahoo.com	085275384544	2006-09-01	L006	1750000	NULL	ex	com1
E002	aris	ganiandi	arls@yahoo.com	081312345678	2006-09-01	L0002	2000000	200000	hs	com1
E001	ferry	gustiawan	ferry@yahoo.com	07117059004	2005-08-01	L0001	2000000	500000	al	com1
E001	ferry	gustiawan	ferry@yahoo.com	07117059004	2005-09-01	L0001	5000000	500000	al	com1
E004	emma	hunton	emmagmail.com	081363484342	2006-10-01	L0004	1500000	0	al	com1
E005	nike	scoff	nike@plasa.com	08163454555	2007-09-01	L0005	1250000	0	al	com1

```
7 rows in set (0.001 sec)
```

```
MariaDB [data_pegawai]> select * from pegawai order by namabelakang desc;
```

idpegawai	namadepan	namabelakang	email	telepon	tgkontrak	idjob	gaji	tunjangan	idmanajer	iddepartemen
E005	nike	scoff	nike@plasa.com	08163454555	2007-09-01	L0005	1250000	0	al	com1
E004	emma	hunton	emmagmail.com	081363484342	2006-10-01	L0004	1500000	0	al	com1
E001	ferry	gustiawan	ferry@yahoo.com	07117059004	2005-08-01	L0001	2000000	500000	al	com1
E001	ferry	gustiawan	ferry@yahoo.com	07117059004	2005-09-01	L0001	5000000	500000	al	com1
E002	aris	ganiandi	arls@yahoo.com	081312345678	2006-09-01	L0002	2000000	200000	hs	com1
E006	lincoln	burrows	line@yahoo.com	085275384544	2008-09-01	L006	1750000	NULL	ex	com1
E003	faiz	ahmad	faiz@yahoo.com	081367384322	2006-10-01	L0003	1500000	NULL	bx	com1

```
7 rows in set (0.001 sec)
```

Activate Windows  
Go to Settings to activate your Windows.