

PRAKTIKUM 4

Penggunaan basis data

DML (data manipulation language)



Oleh :

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KELAS : 1D
MATA KULIAH : penggunaan basis data

Teknik informatika

POLIWANGI

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HASIL PRAKTIKUM :

- Inputkan data untuk masing-masing tabel minimal 15 data

```
C:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 2
Server version: 10.1.13-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| kepegawaian |
| kepegawaian1 |
| mysql |
| performance_schema |
| phpmyadmin |
| sakila |
| test |
| test_db |
| tomy |
+-----+
10 rows in set (0.09 sec)

MariaDB [(none)]> use kepegawaian;
Database changed
MariaDB [kepegawaian]> show tables;
+-----+
| Tables_in_kepegawaian |
+-----+
| departemen |
| pegawai |
| pengawas |
| proyek |
| tanggungan |
+-----+
5 rows in set (0.00 sec)
```

Disini saya sedang melihat apasaja tabel yang ada pada databases kepegawaian.

```
MariaDB [kepegawaian]> insert into departemen
-> values(001,"restu_ibu","banyuwangi",20),
-> (002,"restu ayah","banyuwangi",25);
Query OK, 2 rows affected (0.09 sec)
Records: 2  Duplicates: 0  Warnings: 0

MariaDB [kepegawaian]> desc departemen;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nomor      | int(11)   | NO   | PRI | NULL    |       |
| nama       | char(10)  | YES  |     | NULL    |       |
| lokasi     | char(15)  | YES  |     | NULL    |       |
| jumlah_pegawai | int(11)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.02 sec)

MariaDB [kepegawaian]> select*from departemen;
+-----+-----+-----+-----+
| nomor | nama      | lokasi      | jumlah_pegawai |
+-----+-----+-----+-----+
| 1     | restu_ibu | banyuwangi  | 20             |
| 2     | restu ayah | banyuwangi  | 25             |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

Kemudian saya menginputkan data field seperti nama, lokasi, jumlah pegawai. Dengan menggunakan perintah seperti diatas. Kemudian untuk melihat apakah sudah masuk ketabel apa belum ketikkan perintah select*from departemen.

```
MariaDB [kepegawaian]> insert into departemen
-> values(4,"restu papa","mojokerto",22)
-> (5,"restu mama","bali",21)
-> (6,"restu keluarga","maluku",30)
-> (7,"restu mertua","tegaldlimo",50)
-> (8,"restu simbok","rogojampi",24)
-> (9,"restu teman","madura",30)
-> (10,"restu mantan","banyuwangi",20)
-> (11,"ud berkah","tegalsari",19)
-> (12,"ud jaya","bojong kenyot",28)
-> (13,"ud asal","alas purwo",20)
-> (14,"ud usul","sukabumi",29)
-> (14,"ud suka","malang",39)
-> (14,"ud suka","malang",39);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '(5,"restu mama","bali",21)
(6,"restu keluarga","maluku",30)
(7,"restu mertua","t' at line 3
```

Kemudian saya menggunakan perintah untuk menginputkan sebanyak mungkin data dan ternyata tidak berhasil lantaran saya tidak mengetikkan tanda koma pada akhir perintah setelah tanda tutup kurung.

```
MariaDB [kepegawaian]> insert into departemen
-> values(4,"restu papa","mojokerto",22),
-> (5,"restu mama","bali",21),
-> (6,"restu keluarga","maluku",30),
-> (7,"restu mertua","tegaldlimo",50),
-> (8,"restu simbok","rogojampi",24),
-> (9,"restu teman","madura",30),
-> (10,"restu mantan","banyuwangi",20),
-> (11,"ud berkah","tegalsari",19),
-> (12,"ud jaya","bojong kenyot",28),
-> (13,"ud asal","alas purwo",20),
-> (14,"ud usul","sukabumi",29),
-> (15,"ud suka","malang",39),
-> (16,"ud maju","malang",29),
-> (17,"ud mundur","malang",49),
-> (18,"ud cantik","malang",19),
-> (19,"ud banget","malang",20),
-> (20,"ud udean","malang",10),
-> (21,"ud bagus","malang",21),
-> (22,"ud ganteng","malang",41);
Query OK, 19 rows affected, 5 warnings (0.84 sec)
Records: 19 Duplicates: 0 Warnings: 5
```

Kemudian saya perbaiki dan akhirnya berhasil dan menghasilkan data seperti dibawah ini

```
MariaDB [kepegawaian]> select* from departemen;
```

nomor	nama	lokasi	jumlah_pegawai
1	restu_ibu	banyuwangi	20
2	restu_ayah	banyuwangi	25
3	restu bund	jakarta	29
4	restu papa	mojokerto	22
5	restu mama	bali	21
6	restu kelu	maluku	30
7	restu mert	tegaldlimo	50
8	restu simb	rogojampi	24
9	restu tema	madura	30
10	restu mant	banyuwangi	20
11	ud berkah	tegalsari	19
12	ud jaya	bojong kenyot	28
13	ud asal	alas purwo	20
14	ud usul	sukabumi	29
15	ud suka	malang	39
16	ud maju	malang	29
17	ud mundur	malang	49
18	ud cantik	malang	19
19	ud banget	malang	20
20	ud udean	malang	10
21	ud bagus	malang	21
22	ud ganteng	malang	41

```
22 rows in set (0.00 sec)
```

Ini adalah hasil dari perintah insert into dan untuk menampilkan data ketikkan perintah select*from departemen.

```
MariaDB [kepegawaian]> insert into pegawai
-> values (1,"tomy","tegaldlimo","jantan",10000000),
-> (2,"anggi","sumbersewu","jantan",3000000),
-> (3,"wired","plampang","jantan",3000000),
-> (4,"gufron","banyuwangi","jantan",3000000),
-> (5,"fateh","genteng","jantan",3000000),
-> (6,"pringgo","banyuwangi","jantan",3000000),
-> (7,"bagus","gembirit","jantan",10000),
-> (8,"alvin","galsari","jantan",30000000),
-> (9,"priya","benculuk","jantan",30000000),
-> (10,"riki","srono","jantan",30000000),
-> (11,"wildan","kautan","jantan",30000000),
-> (12,"kanjeng","ngekos","jantan",30000000),
-> (13,"aly","singojuruh","jantan",30000000),
-> (14,"agis","TRM","jantan",30000000),
-> (15,"dedy","srono","jantan",30000000),
-> (16,"dika","banyuwangi","jantan",30000000),
-> (17,"lukman","banyuwangi","jantan",30000000),
-> (18,"mahesa","banyuwangi","jantan",30000000),
-> (19,"rozy","banyuwangi","jantan",30000000),
-> (20,"feraro","banyuwangi","jantan",30000000),
-> (21,"demy","banyuwangi","jantan",30000000);
Query OK, 21 rows affected (0.48 sec)
Records: 21 Duplicates: 0 Warnings: 0
```

Kemudian saya ketikkan perintah lagi dengan memasukkan data kedalam tabel pegawai dengan perintah seperti di atas. Dan menghasilkan data tabel seperti dibawah

```
MariaDB [kepegawaian]> select*from pegawai;
+-----+-----+-----+-----+-----+
| no_ktp | nama   | alamat   | jenis_kelamin | gaji   |
+-----+-----+-----+-----+-----+
| 1      | tomy   | tegaldlimo | jantan        | 10000000 |
| 2      | anggi  | sumbersewu | jantan        | 3000000  |
| 3      | wired  | plampang  | jantan        | 3000000  |
| 4      | gufron | banyuwangi | jantan        | 3000000  |
| 5      | fateh  | genteng   | jantan        | 3000000  |
| 6      | pringgo | banyuwangi | jantan        | 3000000  |
| 7      | bagus  | gembirit  | jantan        | 10000    |
| 8      | alvin  | galsari   | jantan        | 30000000 |
| 9      | priya  | benculuk  | jantan        | 30000000 |
| 10     | riki   | srono     | jantan        | 30000000 |
| 11     | wildan | kautan    | jantan        | 30000000 |
| 12     | kanjeng | ngekos    | jantan        | 30000000 |
| 13     | aly    | singojuruh | jantan        | 30000000 |
| 14     | agis   | TRM       | jantan        | 30000000 |
| 15     | dedy   | srono     | jantan        | 30000000 |
| 16     | dika   | banyuwangi | jantan        | 30000000 |
| 17     | lukman | banyuwangi | jantan        | 30000000 |
| 18     | mahesa | banyuwangi | jantan        | 30000000 |
| 19     | rozy   | banyuwangi | jantan        | 30000000 |
| 20     | feraro | banyuwangi | jantan        | 30000000 |
| 21     | demy   | banyuwangi | jantan        | 30000000 |
+-----+-----+-----+-----+-----+
21 rows in set (0.00 sec)
```

Ini adalah hasil dari perintah perintah yang sudah saya lakukan pada table pegawai dan untuk menampilkan maka ketikkan perintah seperti diatas.


```

MariaDB [kepegawaian]> insert into proyek
-> values (111,"helm kyt","banyuwangi",21),
-> (222,"helm gym","banyuwangi",22),
-> (333,"helm rossy","srono",22),
-> (444,"helm stoner","rogojampi",32),
-> (555,"helm sergio","rogojampi",33),
-> (666,"helm ramos","rogojampi",43),
-> (777,"helm messi","singojuruh",23),
-> (888,"helm ronaldo","singodoko",43),
-> (999,"helm ibra","singodoko",21),
-> (999,"helm movic","singodoko",12),
-> (101010,"helm him","singodoko",54),
-> (111111,"ninja naruto","konoha",21),
-> (121212,"ninja sasuke","konoha",41),
-> (131313,"ninja sakura","konoha",61),
-> (141414,"ninja shikamaru","konoha",54),
-> (151515,"ninja ino","konoha",90),
-> (161616,"ninja chouji","konoha",20),
-> (171717,"beton atos","ginggagiloba",20),
-> (181818,"beton empuk","ginggagiloba",21),
-> (191919,"boto abang","banyuwangi",21),
-> (202020,"boto ijo","banyuwangi",22),
-> (212121,"noto boto","banyuwangi",21);
ERROR 1062 (23000): Duplicate entry '999' for key 'PRIMARY'

```

Dan kemudian saya ketikkan perintah untuk mengisi data pada tabel proyek. Dan pada pertamanya saya salah karena saya mengetikkan nomor yang sama dan seharusnya berbeda lantaran nomor tersebut adalah primary (data yang unik / tidak boleh sama).

```

MariaDB [kepegawaian]> insert into proyek
-> values (111,"helm kyt","banyuwangi",21),
-> (222,"helm gym","banyuwangi",22),
-> (333,"helm rossy","srono",22),
-> (444,"helm stoner","rogojampi",32),
-> (555,"helm sergio","rogojampi",33),
-> (666,"helm ramos","rogojampi",43),
-> (777,"helm messi","singojuruh",23),
-> (888,"helm ronaldo","singodoko",43),
-> (999,"helm ibra","singodoko",21),
-> (991,"helm movic","singodoko",12),
-> (101010,"helm him","singodoko",54),
-> (111111,"ninja naruto","konoha",21),
-> (121212,"ninja sasuke","konoha",41),
-> (131313,"ninja sakura","konoha",61),
-> (141414,"ninja shikamaru","konoha",54),
-> (151515,"ninja ino","konoha",90),
-> (161616,"ninja chouji","konoha",20),
-> (171717,"beton atos","ginggagiloba",20),
-> (181818,"beton empuk","ginggagiloba",21),
-> (191919,"boto abang","banyuwangi",21),
-> (202020,"boto ijo","banyuwangi",22),
-> (212121,"noto boto","banyuwangi",21);
Query OK, 22 rows affected, 9 warnings (0.09 sec)
Records: 22 Duplicates: 0 Warnings: 9

```

Dan akhirnya berhasil. Dan menghasilkan data table seperti dibawah ini. Dan saya masih keliru lantaran pada tabel proyek seharusnya proyek tidak boleh melebihi data pegawai ataupun data pengawas.

```
MariaDB [kepegawaian]> select*from proyek;
```

nomor	nama	lokasi	jumlah_pegawai
111	helm kyt	banyuwangi	21
222	helm gym	banyuwangi	22
333	helm rossy	srono	22
444	helm stone	rogojampi	32
555	helm sergi	rogojampi	33
666	helm ramos	rogojampi	43
777	helm messi	singojuruh	23
888	helm ronol	singodoko	43
991	helm movic	singodoko	12
999	helm ibra	singodoko	21
101010	helm him	singodoko	54
111111	ninja naru	konoha	21
121212	ninja sasu	konoha	41
131313	ninja saku	konoha	61
141414	ninja shik	konoha	54
151515	ninja ino	konoha	90
161616	ninja chou	konoha	20
171717	beton atos	ginggagiloba	20
181818	beton empu	ginggagiloba	21
191919	boto abang	banyuwangi	21
202020	boto ijo	banyuwangi	22
212121	noto boto	banyuwangi	21

```
22 rows in set (0.00 sec)
```

Ini adalah hasil dari perintah yang saya sudah lakukan dengan melihatnya dengan perintah select*from proyek; dan akan menampilkan data tabel seperti di atas.

```
MariaDB [kepegawaian]> insert into pengawas
-> values (11,"iskandar","tegaldlimo","jantan",2000000),
-> (22,"wahyu","sumbersewu","jantan",3000000),
-> (33,"adi","banyuwangi","jantan",3000000),
-> (44,"setiawan","banyuwangi","jantan",3000000),
-> (55,"aksara","plampang","jantan",3000000),
-> (66,"jiwa","plampang","jantan",3000000),
-> (77,"muro","genteng","jantan",3000000),
-> (88,"dani","genteng","jantan",3000000),
-> (99,"rohman","banyuwangi","jantan",3000000),
-> (1010,"yolanda","gembirit","jantan",5000),
-> (1111,"saputra","gembirit","jantan",5000),
-> (1212,"faza","benculuk","jantan",3000000),
-> (1313,"wardana","benculuk","jantan",3000000),
-> (1414,"narbiyanto","srono","jantan",3000000),
-> (1515,"jauhari","kautan","jantan",3000000),
-> (1616,"abdul","singojuruh","jantan",3000000),
-> (1717,"basyit","singojuruh","jantan",3000000),
-> (1818,"briyan","ngekos","jantan",3000000),
-> (1919,"dimas","ngekos","jantan",3000000),
-> (2020,"ariyanto","srono","jantan",3000000),
-> (2121,"akmalulu","TRM","jantan",3000000);
Query OK, 21 rows affected (0.13 sec)
Records: 21 Duplicates: 0 Warnings: 0
```

Untuk menambahkan data pada tabel pengawas maka perintahnya sama yaitu insert into. Dan saya langsung mengetikkan keseluruhan data dan menghasilkan data tabel seperti dibawah ini.

```
MariaDB [kepegawaian]> select*from pengawas;
```

no_ktp	nama	alamat	jenis_kelamin	gaji
11	iskandar	tegaldlimo	jantan	20000000
22	wahyu	sumbersewu	jantan	3000000
33	adi	banyuwangi	jantan	3000000
44	setiawan	banyuwangi	jantan	3000000
55	aksara	plampang	jantan	3000000
66	jiwa	plampang	jantan	3000000
77	muro	genteng	jantan	3000000
88	dani	genteng	jantan	3000000
99	rohman	banyuwangi	jantan	3000000
1010	yolanda	gembirit	jantan	5000
1111	saputra	gembirit	jantan	5000
1212	faza	benculuk	jantan	3000000
1313	wardana	benculuk	jantan	3000000
1414	narbiyanto	srono	jantan	3000000
1515	jauhari	kautan	jantan	3000000
1616	abdul	singojuruh	jantan	3000000
1717	basyit	singojuruh	jantan	3000000
1818	briyan	ngekos	jantan	3000000
1919	dimas	ngekos	jantan	3000000
2020	ariyanto	srono	jantan	3000000
2121	akmalulu	TRM	jantan	3000000

```
21 rows in set (0.00 sec)
```

Maka menghasilkan data tabel diatas. Denganmelakukkan perintah select*from pengawas. Dandisini saya juga keliru lantaran pengwas seharusnya tidak boleh lebih datanya dibandingkan data pegawai. Karena pengawas bisa mengawasi beberapa pegawai.

```
MariaDB [kepegawaian]> insert into tanggungan
-> values ("mahardika","jantan","28 februari 1998","anak"),
-> ("tia","jantan","8 februari 1966","ayah"),
-> ("sintia","betina","8 februari 1965","ibu"),
-> ("suida","betina","9 februari 1965","ibu");
Query OK, 4 rows affected, 4 warnings (0.13 sec)
Records: 4  Duplicates: 0  Warnings: 4

MariaDB [kepegawaian]> select*from tanggungan;
```

nama	jenis_kelamin	tanggal_lahir	hubungan_dengan_pegawai
mahardika	jantan	28 februar	anak
tia	jantan	8 februari	ayah
sintia	betina	8 februari	ibu
suida	betina	9 februari	ibu

```
4 rows in set (0.00 sec)
```

Dan untuk data pada tabel tanggungan saya hanya mengetikkan beberapa orang karena beberepa pegawai atau pengawas belum tentu memiliki tanggungan. Maka oleh itu saya hanya mengetikkan data sedikit.

Buatlah perintah untuk melakukan suatu perubahan data pada setiap tabel. 2 perintah perubahan untuk setiap tabel

```
MariaDB [kepegawaian]> delete*from departemen
-> where nomor="22";
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
responds to your MariaDB server version for the right syntax to use near '*from
artemen
where nomor="22"' at line 1
MariaDB [kepegawaian]> delete from departemen
-> where nomor="22";
Query OK, 1 row affected (0.13 sec)

MariaDB [kepegawaian]> select*from departemen;
+-----+-----+-----+-----+
| nomor | nama      | lokasi      | jumlah_pegawai |
+-----+-----+-----+-----+
| 1      | restu_ibu  | banyuwangi  | 20              |
| 2      | restu_ayah | banyuwangi  | 25              |
| 3      | restu bund | jakarta     | 29              |
| 4      | restu papa | mojokerto   | 22              |
| 5      | restu mama | bali        | 21              |
| 6      | restu kelu | maluku      | 30              |
| 7      | restu mert | tegaldlimo  | 50              |
| 8      | restu simb | rogojampi   | 24              |
| 9      | restu tema | madura      | 30              |
| 10     | restu mant | banyuwangi  | 20              |
| 11     | ud berkah  | tegalsari   | 19              |
| 12     | ud jaya    | bojong kenyot | 28              |
| 13     | ud asal    | alas purwo  | 20              |
| 14     | ud usul    | sukabumi    | 29              |
| 15     | ud suka    | malang      | 39              |
| 16     | ud maju    | malang      | 29              |
| 17     | ud mundur  | malang      | 49              |
| 18     | ud cantik  | malang      | 19              |
| 19     | ud banget  | malang      | 20              |
| 20     | ud udean   | malang      | 10              |
| 21     | ud bagus   | malang      | 21              |
+-----+-----+-----+-----+
21 rows in set (0.00 sec)
```

Pada tabel departemen saya mengubah sekaligus menghapus data dengan melakukan perintah seperti diatas dan saya menghaspus data dengan nomor 22.

```
MariaDB [kepegawaian]> update departemen
-> set nama = "ud berkah"
-> where nomor = "1";
Query OK, 1 row affected (0.11 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [kepegawaian]> select*from departemen;
```

nomor	nama	lokasi	jumlah_pegawai
1	ud berkah	banyuwangi	20
2	restu ayah	banyuwangi	25
3	restu bund	jakarta	29
4	restu papa	mojokerto	22
5	restu mama	bali	21
6	restu kelu	maluku	30
7	restu mert	tegaldlimo	50
8	restu simb	rogojampi	24
9	restu tema	madura	30
10	restu mant	banyuwangi	20
11	ud berkah	tegalsari	19
12	ud jaya	bojong kenyot	28
13	ud asal	alas purwo	20
14	ud usul	sukabumi	29
15	ud suka	malang	39
16	ud maju	malang	29
17	ud mundur	malang	49
18	ud cantik	malang	19
19	ud banget	malang	20
20	ud udean	malang	10

```
20 rows in set (0.00 sec)
```

Kemudian saya mengupdate dengan nama ud berkah pada kolom kedua dengan nomor 1.

```

MariaDB [kepegawaian]> update pegawai
  -> set nama = "muh tomy is"
  -> where no_ktp = "1";
Query OK, 1 row affected (0.08 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [kepegawaian]> delete from pegawai
  -> where nama = demy;
ERROR 1054 (42S22): Unknown column 'demy' in 'where clause'
MariaDB [kepegawaian]> delete from pegawai
  -> where nama = "demy";
Query OK, 1 row affected (0.09 sec)

MariaDB [kepegawaian]> select*from pegawai;
+-----+-----+-----+-----+-----+
| no_ktp | nama      | alamat    | jenis_kelamin | gaji      |
+-----+-----+-----+-----+-----+
| 1      | muh tomy is | tegaldlimo | jantan        | 100000000 |
| 2      | anggi      | sumbersewu | jantan        | 30000000  |
| 3      | wired      | plampang  | jantan        | 30000000  |
| 4      | gufron     | banyuwangi | jantan        | 30000000  |
| 5      | fateh      | genteng   | jantan        | 30000000  |
| 6      | pringgo    | banyuwangi | jantan        | 30000000  |
| 7      | bagus      | gembirit  | jantan        | 10000     |
| 8      | alvin      | galsari   | jantan        | 300000000 |
| 9      | priya      | benculuk  | jantan        | 300000000 |
| 10     | riki       | srono     | jantan        | 300000000 |
| 11     | wildan     | kautan    | jantan        | 300000000 |
| 12     | kanjeng    | ngekos    | jantan        | 300000000 |
| 13     | aly        | singojuruh | jantan        | 300000000 |
| 14     | agis       | TRM       | jantan        | 300000000 |
| 15     | dedy       | srono     | jantan        | 300000000 |
| 16     | dika       | banyuwangi | jantan        | 300000000 |
| 17     | lukman     | banyuwangi | jantan        | 300000000 |
| 18     | mahesa     | banyuwangi | jantan        | 300000000 |
| 19     | rozy       | banyuwangi | jantan        | 300000000 |
| 20     | feraro     | banyuwangi | jantan        | 300000000 |
+-----+-----+-----+-----+-----+
20 rows in set (0.00 sec)

```

Pada tabel pegawai saya mengupdate data dan sekaligus menghapus data dengan nama demy dan megupdate nama dari iskandar menjadi muh tomy is, pada baris pertama.

```

MariaDB [kepegawaian]> update pegawai
  -> set jenis_kelamin="laki laki"
  -> ;
Query OK, 20 rows affected (0.06 sec)
Rows matched: 20  Changed: 20  Warnings: 0

MariaDB [kepegawaian]> select*from pegawai;
+-----+-----+-----+-----+-----+
| no_ktp | nama      | alamat    | jenis_kelamin | gaji      |
+-----+-----+-----+-----+-----+
| 1      | muh tomy is | tegaldlimo | laki laki     | 100000000 |
| 2      | anggi       | sumbersewu | laki laki     | 300000000 |
| 3      | wired       | plampang  | laki laki     | 300000000 |
| 4      | gufron      | banyuwangi | laki laki     | 300000000 |
| 5      | fateh       | genteng   | laki laki     | 300000000 |
| 6      | pringgo     | banyuwangi | laki laki     | 300000000 |
| 7      | bagus       | gembirit  | laki laki     | 10000     |
| 8      | alvin       | galsari   | laki laki     | 300000000 |
| 9      | priya       | benculuk  | laki laki     | 300000000 |
| 10     | riki        | srono     | laki laki     | 300000000 |
| 11     | wildan      | kautan    | laki laki     | 300000000 |
| 12     | kanjeng     | ngekos    | laki laki     | 300000000 |
| 13     | aly         | singojuruh | laki laki     | 300000000 |
| 14     | agis        | TRM       | laki laki     | 300000000 |
| 15     | dedy        | srono     | laki laki     | 300000000 |
| 16     | dika        | banyuwangi | laki laki     | 300000000 |
| 17     | lukman      | banyuwangi | laki laki     | 300000000 |
| 18     | mahesa      | banyuwangi | laki laki     | 300000000 |
| 19     | rozy        | banyuwangi | laki laki     | 300000000 |
| 20     | feraro      | banyuwangi | laki laki     | 300000000 |
+-----+-----+-----+-----+-----+
20 rows in set (0.00 sec)

```

Dan kemudian saya juga mengganti dari nama jenis kelamin janyan menjadi laki laki. Denga melakukan perintah seperti diatas.

```

MariaDB [kepegawaian]> update pengawas
  -> set nama = "muh tomy is"
  -> where no_ktp = "11";
Query OK, 1 row affected (0.08 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [kepegawaian]> update pengawas
  -> set jenis_kelamin = "laki laki"
  -> where no_ktp = "11";
Query OK, 1 row affected (0.09 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [kepegawaian]> update pengawas
  -> set jenis_kelamin = "laki laki"
  -> where no_ktp = "22";
Query OK, 1 row affected (0.09 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [kepegawaian]> delete from pengawas
  -> where jenis_kelamin = "jantan";
Query OK, 19 rows affected (0.08 sec)

MariaDB [kepegawaian]> select*from pengawas;
+-----+-----+-----+-----+-----+
| no_ktp | nama      | alamat    | jenis_kelamin | gaji      |
+-----+-----+-----+-----+-----+
|      11 | muh tomy is | tegaldlimo | laki laki     | 200000000 |
|      22 | wahyu      | sumbersewu | laki laki     | 30000000  |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

```

Pada tabel pengawas, saya mengupdate dan sekaligus menghapus data dengan dari set jenis kelamin dan juga hapus jenis kelamin yang bernama jantan.


```

MariaDB [kepegawaian]> select*from tanggungan;
+-----+-----+-----+-----+
| nama      | jenis_kelamin | tanggal_lahir | hubungan_dengan_pegawai |
+-----+-----+-----+-----+
| mahardika | jantan        | 28 februar    | anak                     |
| tia       | jantan        | 8 februari    | ayah                     |
| sintia    | betina        | 8 februari    | ibu                      |
| suida     | betina        | 9 februari    | ibu                      |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

MariaDB [kepegawaian]> update tanggungan
  -> set jenis_kelamin = "laki laki"
  -> ;
Query OK, 4 rows affected (0.06 sec)
Rows matched: 4  Changed: 4  Warnings: 0

MariaDB [kepegawaian]> update tanggungan
  -> set jenis_kelamin = "wanita"
  -> where nama = "sintia";
Query OK, 1 row affected (0.06 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [kepegawaian]> update tanggungan
  -> set jenis_kelamin = "wanita"
  -> where nama = "suida";
Query OK, 1 row affected (0.03 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [kepegawaian]> select*from tanggungan;
+-----+-----+-----+-----+
| nama      | jenis_kelamin | tanggal_lahir | hubungan_dengan_pegawai |
+-----+-----+-----+-----+
| mahardika | laki laki     | 28 februar    | anak                     |
| tia       | laki laki     | 8 februari    | ayah                     |
| sintia    | wanita        | 8 februari    | ibu                      |
| suida     | wanita        | 9 februari    | ibu                      |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

MariaDB [kepegawaian]>

```

Pada tabel tanggungan saya mengupdate juga jenis kelamin dari jantan dan betina menjadi laki laki dan wanita.

- Buatlah perintah untuk menghapus suatu data pada tabel dengan kondisi tertentu.

```
MariaDB [kepegawaian]> delete*from departemen
-> where lokasi="malang";
ERROR 1064 (42000): You have an error in your SQL syntax; check the manu
responds to your MariaDB server version for the right syntax to use near
artemen
where lokasi="malang"' at line 1
MariaDB [kepegawaian]> delete*from departemen
-> where lokasi="malang";
ERROR 1064 (42000): You have an error in your SQL syntax; check the manu
responds to your MariaDB server version for the right syntax to use near
artemen
where lokasi="malang"' at line 1
MariaDB [kepegawaian]> delete from departemen
-> where lokasi="malang";
Query OK, 6 rows affected (0.08 sec)

MariaDB [kepegawaian]> select *from departemen;
+-----+-----+-----+-----+
| nomor | nama      | lokasi      | jumlah_pegawai |
+-----+-----+-----+-----+
| 1      | ud berkah | banyuwangi  | 20              |
| 2      | restu ayah | banyuwangi  | 20              |
| 3      | restu bund | jakarta     | 20              |
| 4      | restu papa | mojosarto   | 20              |
| 5      | restu mama | bali        | 20              |
| 6      | restu kelu | maluku      | 20              |
| 7      | restu mert | tegaldlimo  | 20              |
| 8      | restu simb | rogojampi   | 20              |
| 9      | restu tema | madura      | 20              |
| 10     | restu mant | banyuwangi  | 20              |
| 11     | ud berkah | tegalsari   | 20              |
| 12     | ud jaya    | bojong kenyot | 20              |
| 13     | ud asal    | alas purwo  | 20              |
| 14     | ud usul    | sukabumi    | 20              |
+-----+-----+-----+-----+
14 rows in set (0.00 sec)
```

da tabel departemen saya mengetikan perintah menghapus. Lokasi malang karena departemenya terelalu banyak.

```

MariaDB [kepegawaian]> select*from pengawas;
+-----+-----+-----+-----+-----+
| no_ktp | nama      | alamat      | jenis_kelamin | gaji      |
+-----+-----+-----+-----+-----+
| 1      | muh tomy is | tegaldlimo  | laki laki     | 10000000 |
| 2      | anggi      | sumbersewu  | laki laki     | 3000000  |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

MariaDB [kepegawaian]> select*from proyek;
+-----+-----+-----+-----+
| nomor | nama      | lokasi      | jumlah_pegawai |
+-----+-----+-----+-----+
| 333   | helm rossy | srono       | 22              |
| 777   | helm messi | singojuruh  | 23              |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)

MariaDB [kepegawaian]> select*from tanggungan;
+-----+-----+-----+-----+
| nama      | jenis_kelamin | tanggal_lahir | hubungan_dengan_pegawai |
+-----+-----+-----+-----+
| mahardika | laki laki     | 28 februar   | anak                    |
| tia       | laki laki     | 8 februari   | ayah                    |
| sintia    | wanita       | 8 februari   | ibu                     |
| suida     | wanita       | 9 februari   | ibu                     |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

```

Dan inilah hasil akhirnya.