



NAMA : MUFLIH FURQONUDIN FAHRI
NIM : 312010105
KELAS : TI.20.D1
MATA KULIAH : SISTEM BASIS DATA

UTS

1. Buatlah sebuah database dengan nama klinik_nimmasing2 :

```
create database klinik_312010105;  
use klinik_312010105;
```

```
C:\User\Muflih Furqonudin Fahri>cd\  
  
C:\>cd xampp\mysql\bin  
  
C:\xampp\mysql\bin>mysql -u root  
Welcome to the MariaDB monitor.  Commands end with ; or \g.  
Your MariaDB connection id is 8  
Server version: 10.4.22-MariaDB mariadb.org binary distribution  
  
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.  
  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
  
MariaDB [(none)]> create database klinik_312010105;  
Query OK, 1 row affected (0.039 sec)
```

2. Buatlah user dengan nama adminklinik dan password adalah NIM :
CREATE USER 'adminklinik'@'localhost' IDENTIFIED BY'312010105';

```
cmd - mysql -u adminklinik -p  
  
MariaDB [(none)]> use klinik_312010105;  
Database changed  
MariaDB [klinik_312010105]> CREATE USER 'adminklinik'@'localhost' IDENTIFIED BY'312010105';  
Query OK, 0 rows affected (0.018 sec)
```

3. Berikan hak akses ke adminklinik tersebut, dapat melihat, merubah, menambahkan, memperbarui serta menghapus data di seluruh tabel yang ada di database klink :
GRANT SELECT,CREATE,ALTER,INSERT,UPDATE,DROP ON *.* TO 'adminklinik'@'localhost';

```
MariaDB [klinik_312010105]> GRANT SELECT,CREATE,ALTER,INSERT,UPDATE,DROP ON *.* TO 'adminklinik'@'localhost';
Query OK, 0 rows affected (0.061 sec)

MariaDB [klinik_312010105]> exit;
Bye

C:\xampp\mysql\bin>mysql -u adminklinik -p
Enter password: *****
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 11
Server version: 10.4.22-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> SHOW GRANTS FOR 'adminklinik'@'localhost';
+-----+
| Grants for adminklinik@localhost |
+-----+
| GRANT SELECT, INSERT, UPDATE, CREATE, DROP, ALTER ON *.* TO `adminklinik`@`localhost` IDENTIFIED BY PASSWORD '*8B258F09F94AE4476F94310AA3EF66E10EFE87CA' |
+-----+
```

4. Dengan user adminklinik, buatlah tabel sesuai desain database diatas (termasuk deklarasi primary key dan foreign key). Setelah pembuatan tabel, describe isi tabel yang sudah dibuat :

Membuat table obat :

CREATE table obat(

-> id_obat int primary key,

-> nama_obat varchar(100));

desc obat;

```
MariaDB [klinik_312010105]> CREATE table obat(
-> id_obat int(5) primary key,
-> nama_obat varchar(100));
Query OK, 0 rows affected (0.201 sec)

MariaDB [klinik_312010105]> desc obat;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_obat | int(5) | NO | PRI | NULL | |
| nama_obat | varchar(100) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
```

Membuat table resep_obat :

CREATE table resep_obat(

-> id_resep int(11) primary key,

-> id_berobat int(11),

-> id_obat int(5));

Desc resep_obat;

```
MariaDB [klinik_312010105]> CREATE table resep_obat(
-> id_resep int(11) primary key,
-> id_berobat int(11),
-> id_obat int(5));
Query OK, 0 rows affected (0.197 sec)
```

```
MariaDB [klinik_312010105]> desc resep_obat;
```

| Field | Type | Null | Key | Default | Extra |
|------------|---------|------|-----|---------|-------|
| id_resep | int(11) | NO | PRI | NULL | |
| id_berobat | int(11) | YES | | NULL | |
| id_obat | int(5) | YES | | NULL | |

Membuat table berobat :

```
CREATE table berobat(
```

```
-> id_berobat int(11) primary key,
-> id_pasien int(5),
-> id_dokter int(5),
-> tgl_berobat date,
-> keluhan_pasien varchar(200),
-> hasil_diagnosa varchar(200),
-> penatalaksanaan enum('perawat','dokter','farmasi'));
```

```
desc berobat;
```

```
MariaDB [klinik_312010105]> CREATE table berobat(
-> id_berobat int(11) primary key,
-> id_pasien int(5),
-> id_dokter int(5),
-> tgl_berobat date,
-> keluhan_pasien varchar(200),
-> hasil_diagnosa varchar(200),
-> penatalaksanaan enum('perawat','dokter','farmasi'));
Query OK, 0 rows affected (0.210 sec)
```

```
MariaDB [klinik_312010105]> desc berobat;
```

| Field | Type | Null | Key | Default | Extra |
|-----------------|------------------------------------|------|-----|---------|-------|
| id_berobat | int(11) | NO | PRI | NULL | |
| id_pasien | int(5) | YES | | NULL | |
| id_dokter | int(5) | YES | | NULL | |
| tgl_berobat | date | YES | | NULL | |
| keluhan_pasien | varchar(200) | YES | | NULL | |
| hasil_diagnosa | varchar(200) | YES | | NULL | |
| penatalaksanaan | enum('perawat','dokter','farmasi') | YES | | NULL | |

Membuat table dokter :

CREATE table dokter(

-> id_dokter int(5) primary key,

-> nama_dokter varchar(50));

desc dokter;

```
MariaDB [klinik_312010105]> CREATE table dokter(
  -> id_dokter int(5) primary key,
  -> nama_dokter varchar(50));
Query OK, 0 rows affected (0.287 sec)

MariaDB [klinik_312010105]> desc dokter;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_dokter      | int(5)        | NO   | PRI | NULL    |       |
| nama_dokter    | varchar(50)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.021 sec)
```

Membuat table pasien :

create table pasien(

-> id_pasien int(5) primary key,

-> nama_pasien varchar(40),

-> jenis_kelamin enum('J','K'),

-> umur int(2));

desc pasien;

```
MariaDB [klinik_312010105]> create table pasien(
  -> id_pasien int(5) primary key,
  -> nama_pasien varchar(40),
  -> jenis_kelamin enum('L','P'),
  -> umur int(2));
Query OK, 0 rows affected (0.233 sec)

MariaDB [klinik_312010105]> desc pasien;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_pasien      | int(5)        | NO   | PRI | NULL    |       |
| nama_pasien    | varchar(40)   | YES  |     | NULL    |       |
| jenis_kelamin  | enum('L','P') | YES  |     | NULL    |       |
| umur          | int(2)        | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
```

Membuat table users :

create table users(

-> id int(5) primary key,

-> username varchar(20),

-> password varchar(32),

-> nama_lengkap varchar(40));

desc users;

```
MariaDB [klinik_312010105]> create table users(
  -> id int(5) primary key,
  -> username varchar(20),
  -> password varchar(32),
  -> nama_lengkap varchar(40));
Query OK, 0 rows affected (0.211 sec)
```

```
MariaDB [klinik_312010105]> desc users;
```

| Field | Type | Null | Key | Default | Extra |
|--------------|-------------|------|-----|---------|-------|
| id | int(5) | NO | PRI | NULL | |
| username | varchar(20) | YES | | NULL | |
| password | varchar(32) | YES | | NULL | |
| nama_lengkap | varchar(40) | YES | | NULL | |

```
4 rows in set (0.019 sec)
```

5. Isi masing-masing tabel dengan data minimal 5 :

Membuat table obat :

INSERT INTO obat VALUES ('123','Abana');

INSERT INTO obat VALUES ('234','Accupril');

INSERT INTO obat VALUES ('345','Aceon');

INSERT INTO obat VALUES ('456','Achipex');

INSERT INTO obat VALUES ('567','Acticin');

Select *from obat;

```
MariaDB [klinik_312010105]> INSERT INTO obat VALUES ('123','Abana');
Query OK, 1 row affected (0.075 sec)

MariaDB [klinik_312010105]> INSERT INTO obat VALUES ('234','Accupril');
Query OK, 1 row affected (0.110 sec)

MariaDB [klinik_312010105]> INSERT INTO obat VALUES ('345','Accutane');
Query OK, 1 row affected (0.079 sec)

MariaDB [klinik_312010105]> INSERT INTO obat VALUES ('456','Aceon');
Query OK, 1 row affected (0.099 sec)

MariaDB [klinik_312010105]> INSERT INTO obat VALUES ('567','Actos');
Query OK, 1 row affected (0.077 sec)

MariaDB [klinik_312010105]> select * from obat;
```

| id_obat | nama_obat |
|---------|-----------|
| 123 | Abana |
| 234 | Accupril |
| 345 | Accutane |
| 456 | Aceon |
| 567 | Actos |

Membuat table resep_obat :

```
INSERT INTO resep_obat VALUES ('1111','2222','123');
INSERT INTO resep_obat VALUES ('2222','3333','234');
INSERT INTO resep_obat VALUES ('3333','4444','345');
INSERT INTO resep_obat VALUES ('4444','5555','456');
INSERT INTO resep_obat VALUES ('5555','6666','567');
```

Select *from resep_obat;

```
MariaDB [klinik_312010105]> INSERT INTO resep_obat VALUES ('1111','2222','123');
Query OK, 1 row affected (0.038 sec)

MariaDB [klinik_312010105]> INSERT INTO resep_obat VALUES ('2222','3333','234');
Query OK, 1 row affected (0.050 sec)

MariaDB [klinik_312010105]> INSERT INTO resep_obat VALUES ('3333','4444','345');
Query OK, 1 row affected (0.068 sec)

MariaDB [klinik_312010105]> INSERT INTO resep_obat VALUES ('4444','5555','456');
Query OK, 1 row affected (0.015 sec)

MariaDB [klinik_312010105]> INSERT INTO resep_obat VALUES ('5555','6666','567');
Query OK, 1 row affected (0.069 sec)
```

MariaDB [klinik_312010105]> select * from resep_obat;

| id_resep | id_berobat | id_obat |
|----------|------------|---------|
| 1111 | 2222 | 123 |
| 2222 | 3333 | 234 |
| 3333 | 4444 | 345 |
| 4444 | 5555 | 456 |
| 5555 | 6666 | 567 |

Membuat table berobat :

```
INSERT INTO berobat VALUES ('2222','111','11','NOW','perut_sakit','diare','dokter');
```

```
INSERT INTO berobat VALUES ('3333','222','22','NOW','mual','maag','dokter');
```

```
INSERT INTO berobat VALUES ('4444','333','33','NOW','lemas','darah_rendah','perawat');
```

```
INSERT INTO berobat VALUES ('5555','444','44','NOW','menggigil','demam','perawat');
```

```
INSERT INTO berobat VALUES ('6666','555','33','NOW','kunangkunang','anemia','perawat');
```

Select *from berobat;

```
MariaDB [klinik_312010105]> INSERT INTO resepe_obat VALUES ('2222','111','11','NOW','perut_sakit','diare','dokter');
ERROR 1136 (21S01): Column count doesn't match value count at row 1
MariaDB [klinik_312010105]> INSERT INTO berobat VALUES ('2222','111','11','NOW','perut_sakit','diare','dokter');
Query OK, 1 row affected, 1 warning (0.074 sec)

MariaDB [klinik_312010105]> INSERT INTO berobat VALUES ('3333','222','22','NOW','mual','maag','dokter');
Query OK, 1 row affected, 1 warning (0.065 sec)

MariaDB [klinik_312010105]> INSERT INTO berobat VALUES ('4444','333','33','NOW','lemas','darah_rendah','perawat');
Query OK, 1 row affected, 1 warning (0.066 sec)

MariaDB [klinik_312010105]> INSERT INTO berobat VALUES ('5555','444','44','NOW','menggigil','demam','perawat');
Query OK, 1 row affected, 1 warning (0.090 sec)

MariaDB [klinik_312010105]> INSERT INTO berobat VALUES ('6666','555','33','NOW','kunangkunang','anemia','perawat');
Query OK, 1 row affected, 1 warning (0.070 sec)

MariaDB [klinik_312010105]> select *from berobat;
```

| id_berobat | id_pasien | id_dokter | tgl_berobat | keluhan_pasien | hasil_diagnosa | penatalaksanaan |
|------------|-----------|-----------|-------------|----------------|----------------|-----------------|
| 2222 | 111 | 11 | 0000-00-00 | perut_sakit | diare | dokter |
| 3333 | 222 | 22 | 0000-00-00 | mual | maag | dokter |
| 4444 | 333 | 33 | 0000-00-00 | lemas | darah_rendah | perawat |
| 5555 | 444 | 44 | 0000-00-00 | menggigil | demam | perawat |
| 6666 | 555 | 33 | 0000-00-00 | kunangkunang | anemia | perawat |

Membuat table dokter :

```
INSERT INTO dokter VALUES ('11','Fahri');
```

```
INSERT INTO dokter VALUES ('22','Fadli');
```

```
INSERT INTO dokter VALUES ('33','Sahil');
```

```
INSERT INTO dokter VALUES ('44','Hilal');
```

```
INSERT INTO dokter VALUES ('55','Fahlih');
```

Select *from dokter;

```
MariaDB [klinik_312010105]> INSERT INTO dokter VALUES ('11','Fahri','22','Fadli');
ERROR 1136 (21S01): Column count doesn't match value count at row 1
MariaDB [klinik_312010105]> INSERT INTO dokter VALUES ('11','Fahri');
Query OK, 1 row affected (0.072 sec)

MariaDB [klinik_312010105]> INSERT INTO dokter VALUES ('22','Fadli');
Query OK, 1 row affected (0.073 sec)

MariaDB [klinik_312010105]> INSERT INTO dokter VALUES ('33','Sahil');
Query OK, 1 row affected (0.046 sec)

MariaDB [klinik_312010105]> INSERT INTO dokter VALUES ('44','Hilal');
Query OK, 1 row affected (0.080 sec)

MariaDB [klinik_312010105]> INSERT INTO dokter VALUES ('55','Fahlih');
Query OK, 1 row affected (0.051 sec)

MariaDB [klinik_312010105]> select *from dokter;
+-----+-----+
| id_dokter | nama_dokter |
+-----+-----+
|         11 | Fahri       |
|         22 | Fadli       |
|         33 | Sahil       |
|         44 | Hilal       |
|         55 | Fahlih      |
+-----+-----+
```

Membuat table pasien :

INSERT INTO pasien VALUES ('111','Muflih','L','22');

INSERT INTO pasien VALUES ('222','Vera','P','20');

INSERT INTO pasien VALUES ('333','Yoga','L','21');

INSERT INTO pasien VALUES ('444','Udin','L','22');

INSERT INTO pasien VALUES ('555','Siska','P','20');

Select *from pasien;

```
MariaDB [klinik_312010105]> INSERT INTO pasien VALUES ('111','Muflih','L','22');
Query OK, 1 row affected (0.048 sec)

MariaDB [klinik_312010105]> INSERT INTO pasien VALUES ('222','Vera','P','20');
Query OK, 1 row affected (0.045 sec)

MariaDB [klinik_312010105]> INSERT INTO pasien VALUES ('333','Yoga','L','21');
Query OK, 1 row affected (0.048 sec)

MariaDB [klinik_312010105]> INSERT INTO pasien VALUES ('444','Udin','L','22');
Query OK, 1 row affected (0.049 sec)

MariaDB [klinik_312010105]> INSERT INTO pasien VALUES ('555','Siska','P','20');
Query OK, 1 row affected (0.061 sec)

MariaDB [klinik_312010105]> select *from pasien;
+-----+-----+-----+-----+
| id_pasien | nama_pasien | jenis_kelamin | umur |
+-----+-----+-----+-----+
|        111 | Muflih      | L             | 22   |
|        222 | Vera        | P             | 20   |
|        333 | Yoga        | L             | 21   |
|        444 | Udin        | L             | 22   |
|        555 | Siska       | P             | 20   |
+-----+-----+-----+-----+
```


Membuat table users :

```
INSERT INTO users VALUES ('1','Muflih','aku','Muflih Furqonudin Fahri');
```

```
INSERT INTO users VALUES ('2','Fahlih','senang','Fahlih Akbar Ramadhan');
```

```
INSERT INTO users VALUES ('3','Gilang','belajar','Gilang Ramadhan');
```

```
INSERT INTO users VALUES ('4','Rizki','basis','Rizki Akbar');
```

```
INSERT INTO users VALUES ('5','Tubagus','data','Tubagus Al');
```

```
Select *from users;
```

```
MariaDB [klinik_312010105]> INSERT INTO users VALUES ('1','Muflih','aku','Muflih Furqonudin Fahri');
Query OK, 1 row affected (0.066 sec)

MariaDB [klinik_312010105]> INSERT INTO users VALUES ('2','Fahlih','senang','Fahlih Akbar Ramadhan');
Query OK, 1 row affected (0.027 sec)

MariaDB [klinik_312010105]> INSERT INTO users VALUES ('3','Gilang','belajar','Gilang Ramadhan');
Query OK, 1 row affected (0.073 sec)

MariaDB [klinik_312010105]> INSERT INTO users VALUES ('4','Rizki','basis','Rizki Akbar');
Query OK, 1 row affected (0.052 sec)

MariaDB [klinik_312010105]> INSERT INTO users VALUES ('5','Tubagus','data','Tubagus Al');
Query OK, 1 row affected (0.065 sec)

MariaDB [klinik_312010105]> select *from users;
```

| id | username | password | nama_lengkap |
|----|----------|----------|-------------------------|
| 1 | Muflih | aku | Muflih Furqonudin Fahri |
| 2 | Fahlih | senang | Fahlih Akbar Ramadhan |
| 3 | Gilang | belajar | Gilang Ramadhan |
| 4 | Rizki | basis | Rizki Akbar |
| 5 | Tubagus | data | Tubagus Al |