

PRAKTIKUM

A. Data Definition Language

#1

```
A22_2019_02756 create database pendaftaran;  
Query OK, 1 row affected (0.002 sec)
```

#2

```
A22_2019_02756 use pendaftaran;  
Database changed  
A22_2019_02756 create table data_diri (  
    -> no int(3),  
    -> nama varchar(35),  
    -> alamat varchar(60),  
    -> email varchar(40),  
    -> no_telpon varchar(15),  
    -> sex char(1)  
    -> );  
Query OK, 0 rows affected (0.031 sec)
```

#3

```
A22_2019_02756 desc data_diri;
```

Field	Type	Null	Key	Default	Extra
no	int(3)	YES		NULL	
nama	varchar(35)	YES		NULL	
alamat	varchar(60)	YES		NULL	
email	varchar(40)	YES		NULL	
no_telpon	varchar(15)	YES		NULL	
sex	char(1)	YES		NULL	

6 rows in set (0.033 sec)

#4

```
A22_2019_02756 drop table data_diri;  
Query OK, 0 rows affected (0.007 sec)
```

#5

```
A22_2019_02756 create table pribadi (  
    -> kd_pribadi char(3) primary key,  
    -> panggilan char(4),  
    -> nama varchar(35),  
    -> email varchar(50),  
    -> sex char(1),  
    -> UNIQUE (kd_pribadi, panggilan)  
    -> );  
Query OK, 0 rows affected (0.029 sec)
```

#6

```
A22_2019_02756 rename table pribadi to data_pribadi;  
Query OK, 0 rows affected (0.016 sec)
```

#7

```
A22_2019_02756 alter table data_pribadi add gol_darah char(1);  
Query OK, 0 rows affected (0.020 sec)  
Records: 0 Duplicates: 0 Warnings: 0
```

#8

```
A22_2019_02756 desc data_pribadi;
```

Field	Type	Null	Key	Default	Extra
kd_pribadi	char(3)	NO	PRI	NULL	
panggilan	char(4)	YES		NULL	
nama	varchar(35)	YES		NULL	
email	varchar(50)	YES		NULL	
sex	char(1)	YES		NULL	
gol_darah	char(1)	YES		NULL	

6 rows in set (0.024 sec)

#9

```
A22_2019_02756 alter table data_pribadi drop gol_darah;  
Query OK, 0 rows affected (0.017 sec)  
Records: 0 Duplicates: 0 Warnings: 0
```

```
A22_2019_02756 desc data_pribadi;
```

Field	Type	Null	Key	Default	Extra
kd_pribadi	char(3)	NO	PRI	NULL	
panggilan	char(4)	YES		NULL	
nama	varchar(35)	YES		NULL	
email	varchar(50)	YES		NULL	
sex	char(1)	YES		NULL	

5 rows in set (0.030 sec)

B. Data Manipulation Language

Membuat table tb_tamu

```
A22_2019_02756 create table tb_tamu(  
  -> no int(3) primary key,  
  -> nama varchar(35),  
  -> alamat varchar(60),  
  -> email varchar(40),  
  -> no_telp varchar(15)  
  -> );
```

Query OK, 0 rows affected (0.040 sec)

```
A22_2019_02756 desc tb_tamu;
```

Field	Type	Null	Key	Default	Extra
no	int(3)	NO	PRI	NULL	
nama	varchar(35)	YES		NULL	
alamat	varchar(60)	YES		NULL	
email	varchar(40)	YES		NULL	
no_telp	varchar(15)	YES		NULL	

5 rows in set (0.026 sec)

#1

```
A22_2019_02756 insert into tb_tamu values('1','Boi trimoyo','ujung berung','bo_i77@yahoo.com','085613548789');
Query OK, 1 row affected (0.005 sec)
```

#2

```
A22_2019_02756 update tb_tamu set nama='irfan nurhudin' where nama="Boi trimoyo";
Query OK, 1 row affected (0.005 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

#3

```
A22_2019_02756 select * from tb_tamu;
+----+-----+-----+-----+-----+
| no | nama          | alamat      | email          | no_telp      |
+----+-----+-----+-----+-----+
| 1  | irfan nurhudin | ujung berung | bo_i77@yahoo.com | 085613548789 |
+----+-----+-----+-----+-----+
1 row in set (0.003 sec)
```

#4

```
A22_2019_02756 insert into tb_tamu values(
    -> '2',
    -> 'Wasmui',
    -> 'Jatimulyo',
    -> 'boy@gmail.com',
    -> '084567897890'
    -> );
Query OK, 1 row affected (0.003 sec)
```

```
A22_2019_02756 insert into tb_tamu values(
-> '3',
-> 'Sumarno',
-> 'Surodadi',
-> 'man@ymail.com',
-> '082469823578'
-> );
```

Query OK, 1 row affected (0.003 sec)

```
A22_2019_02756 insert into tb_tamu values(
-> '4',
-> 'Sukamto',
-> 'Kradenan',
-> 'doi@gmail.com',
-> '083648763845'
-> );
```

Query OK, 1 row affected (0.002 sec)

#5

```
A22_2019_02756 delete from tb_tamu where no='4';
```

Query OK, 1 row affected (0.005 sec)

```
A22_2019_02756 select * from tb_tamu;
```

no	nama	alamat	email	no_telp
1	irfan nurhudin	ujung berung	bo_i77@yahoo.com	085613548789
2	Wasmui	Jatimulyo	boy@gmail.com	084567897890
3	Sumarno	Surodadi	man@ymail.com	082469823578

3 rows in set (0.000 sec)

#6

```
A22_2019_02756 select no, nama, alamat from tb_tamu;
+---+-----+-----+-----+
| no | nama          | alamat          |
+---+-----+-----+-----+
| 1  | irfan nurhudin | ujung berung    |
| 2  | Wasmui         | Jatimulyo      |
| 3  | Sumarno        | Surodadi       |
+---+-----+-----+-----+
3 rows in set (0.000 sec)
```

#7

```
A22_2019_02756 select * from tb_tamu where alamat ='Kradenan';
Empty set (0.000 sec)
```

#8

```
A22_2019_02756 select * from tb_tamu where nama like '%su%';
+---+-----+-----+-----+-----+-----+
| no | nama   | alamat   | email          | no_telp   |
+---+-----+-----+-----+-----+-----+
| 3  | Sumarno | Surodadi | man@ymail.com  | 082469823578 |
+---+-----+-----+-----+-----+-----+
1 row in set (0.002 sec)
```

#9

```
A22_2019_02756 select * from tb_tamu order by nama;
+---+-----+-----+-----+-----+-----+
| no | nama          | alamat          | email          | no_telp   |
+---+-----+-----+-----+-----+-----+
| 1  | irfan nurhudin | ujung berung    | bo_i77@yahoo.com | 085613548789 |
| 3  | Sumarno        | Surodadi       | man@ymail.com    | 082469823578 |
| 2  | Wasmui         | Jatimulyo      | boy@gmail.com     | 084567897890 |
+---+-----+-----+-----+-----+-----+
3 rows in set (0.001 sec)
```

C. Data Control Language

```
A22_2019_02756 create database universitas;  
Query OK, 1 row affected (0.003 sec)
```

```
A22_2019_02756 use universitas;  
Database changed
```

```
A22_2019_02756 create table mahasiswa_rmik(  
    -> nim char(9),  
    -> nama char(50),  
    -> umur int,  
    -> tempat_lahir char(50),  
    -> IPK DECIMAL(3,2)  
    -> );
```

```
Query OK, 0 rows affected (0.016 sec)
```

```
A22_2019_02756 desc mahasiswa_rmik;
```

Field	Type	Null	Key	Default	Extra
nim	char(9)	YES		NULL	
nama	char(50)	YES		NULL	
umur	int(11)	YES		NULL	
tempat_lahir	char(50)	YES		NULL	
IPK	decimal(3,2)	YES		NULL	

```
5 rows in set (0.028 sec)
```



```
A22_2019_02756 insert into mahasiswa_rmik values(  
-> '089045001',  
-> 'Andi Suryo',  
-> 23,  
-> 'Jakarta',  
-> 2.7  
-> );
```

Query OK, 1 row affected (0.002 sec)

```
A22_2019_02756 select * from mahasiswa_rmik;
```

```
+-----+-----+-----+-----+-----+  
| nim      | nama      | umur | tempat_lahir | IPK  |  
+-----+-----+-----+-----+-----+  
| 089045001 | Andi Suryo | 23   | Jakarta      | 2.70 |  
+-----+-----+-----+-----+-----+  
1 row in set (0.000 sec)
```

```
A22_2019_02756 create table mahasiswa_ekonomi(  
-> nim char(90),  
-> nama char(50),  
-> umur int,  
-> tempat_lahir char(50),  
-> IPK DECIMAL(3,2)  
-> );
```

Query OK, 0 rows affected (0.017 sec)

```
A22_2019_02756 insert into mahasiswa_ekonomi values(  
-> '089023013',  
-> 'Alex Supriyanto',  
-> 23,  
-> 'Surabaya',  
-> 2.9  
-> );
```

Query OK, 1 row affected (0.010 sec)

```
A22_2019_02756 desc mahasiswa_ekonomi;
```

Field	Type	Null	Key	Default	Extra
nim	char(90)	YES		NULL	
nama	char(50)	YES		NULL	
umur	int(11)	YES		NULL	
tempat_lahir	char(50)	YES		NULL	
IPK	decimal(3,2)	YES		NULL	

```
5 rows in set (0.021 sec)
```

```
A22_2019_02756 select * from mahasiswa_ekonomi;
```

nim	nama	umur	tempat_lahir	IPK
089023013	Alex Supriyanto	23	Surabaya	2.90

```
1 row in set (0.012 sec)
```

```
A22_2019_02756 CREATE USER 'udinus'@'localhost' IDENTIFIED BY '123';  
Query OK, 0 rows affected (0.008 sec)
```

```
A22_2019_02756 grant all on universitas.* to udinus@localhost;  
Query OK, 0 rows affected (0.012 sec)
```

```
A22_2019_02756 flush privileges;  
Query OK, 0 rows affected (0.003 sec)
```

```
A22_2019_02756 \q  
Bye
```

```
C:\Program Files\MariaDB 10.4\bin> mysql -u udinus -p  
Enter password: ***
```

```
Welcome to the MariaDB monitor.  Commands end with ; or \g.  
Your MariaDB connection id is 34
```

```
Server version: 10.4.8-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)]> prompt A22_2019_02756;  
PROMPT set to 'A22_2019_02756'
```

```
A22_2019_02756 show databases;
```

```
+-----+
| Database |
+-----+
| information_schema |
| test |
| universitas |
+-----+
```

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

```
A22_2019_02756 use universitas;
```

```
Database changed
```

```
A22_2019_02756 show tables;
```

```
+-----+
| Tables_in_universitas |
+-----+
| mahasiswa_ekonomi |
| mahasiswa_rmik |
+-----+
```

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