

SQL dasar

1. Create database

```
MariaDB [(none)]> CREATE DATABASE data_users;  
Query OK, 1 row affected (0.007 sec)
```

2. Show database

```
MariaDB [data_users]> show databases;  
+-----+  
| Database |  
+-----+  
| data_users |  
| db_sekolah |  
| information_schema |  
| mysql |  
| performance_schema |  
| phpmyadmin |  
| saw |  
| test |  
+-----+  
8 rows in set (0.081 sec)
```

Melihat semua database yang ada di mysql

3. Use data_user

```
MariaDB [data_users]> use data_users;  
Database changed
```

Melihat database data_user untuk digunakan

4. Show tables;

```
MariaDB [data_users]> show tables;  
+-----+  
| Tables_in_data_users |  
+-----+  
| users |  
+-----+  
1 row in set (0.003 sec)
```

Melihat semua tabel yang ada didalam database

5. Desc users;

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

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	auto_increment
nama	varchar(100)	YES		NULL	
alamat	varchar(255)	YES		NULL	
usia	int(11)	YES		NULL	

```
4 rows in set (0.042 sec)
```

Melihat semua kolom yang ada didalam tabel users

6. Insert data

```
MariaDB [data_users]> INSERT INTO users (nama, alamat, usia) VALUES
-> ('Andi', 'Jl. Merdeka No.1', FLOOR(15 + (RAND() * 21))),
-> ('Budi', 'Jl. Mawar No.2', FLOOR(15 + (RAND() * 21))),
-> ('Citra', 'Jl. Melati No.3', FLOOR(15 + (RAND() * 21))),
-> ('Dewi', 'Jl. Kenanga No.4', FLOOR(15 + (RAND() * 21))),
-> ('Eko', 'Jl. Cendana No.5', FLOOR(15 + (RAND() * 21))),
-> ('Fajar', 'Jl. Dahlia No.6', FLOOR(15 + (RAND() * 21))),
-> ('Gita', 'Jl. Anggrek No.7', FLOOR(15 + (RAND() * 21))),
-> ('Hadi', 'Jl. Teratai No.8', FLOOR(15 + (RAND() * 21))),
-> ('Indah', 'Jl. Flamboyan No.9', FLOOR(15 + (RAND() * 21))),
-> ('Joko', 'Jl. Bougenville No.10', FLOOR(15 + (RAND() * 21)));
Query OK, 10 rows affected (0.048 sec)
Records: 10 Duplicates: 0 Warnings: 0
```

Melakukan insert data ke dalam table users dengan kolom dan value nya

7. Memilih semua data dari table user Dimana data yang ditampilkan hanya user yang berumur lebih dari 20 tahun

```
MariaDB [data_users]> select * from users where usia > 20;
```

id	nama	alamat	usia
1	Andi	Jl. Merdeka No.1	24
2	Budi	Jl. Mawar No.2	28
3	Citra	Jl. Melati No.3	33
4	Dewi	Jl. Kenanga No.4	25
5	Eko	Jl. Cendana No.5	29
7	Gita	Jl. Anggrek No.7	24
8	Hadi	Jl. Teratai No.8	35
9	Indah	Jl. Flamboyan No.9	24
10	Joko	Jl. Bougenville No.10	23

```
9 rows in set (0.022 sec)
```

8. Delete user berdasarkan id

```
MariaDB [data_users]> delete from users where id=1;
Query OK, 1 row affected (0.018 sec)
```

9. Update user set nama, Alamat Dimana user yang ingin dirubah datanya adalah id 1

```
MariaDB [data_users]> update users set nama = 'Andi', alamat = 'Jl. Merdeka No.1' where id=2;
Query OK, 1 row affected (0.005 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [data_users]> select * from users where usia > 20;
+----+-----+-----+-----+
| id | nama  | alamat                | usia |
+----+-----+-----+-----+
| 2  | Andi  | Jl. Merdeka No.1     | 28   |
| 3  | Citra | Jl. Melati No.3       | 33   |
| 4  | Dewi  | Jl. Kenanga No.4     | 25   |
| 5  | Eko   | Jl. Cendana No.5     | 29   |
| 7  | Gita  | Jl. Anggrek No.7     | 24   |
| 8  | Hadi  | Jl. Teratai No.8     | 35   |
| 9  | Indah | Jl. Flamboyan No.9    | 24   |
| 10 | Joko  | Jl. Bougenville No.10 | 23   |
+----+-----+-----+-----+
8 rows in set (0.001 sec)
```