

1. Cara menambahkan file NPM,Nama,Kota di Tabel Mahasiswa  
Insert into Mahasiswa(NPM,Nama,Kota)value

=>('2010500240', Allya', 'Jakarta');

```
MariaDB [Tugas31] > insert into Mahasiswa(NPM,Nama,Kota)value
-> (<'2010500240','Allya','Jakarta');
Query OK, 1 row affected (0.097 sec)

MariaDB [Tugas31] > select*from Mahasiswa;
+-----+-----+-----+
| NPM      | Nama      | Kota      |
+-----+-----+-----+
| 2010500225 | Jasson    | Bogor     |
| 2010500239 | Bintang   | Bogor     |
| 2011500331 | Talitha   | Bekasi    |
| 2011500193 | Fandy     | Jakarta   |
| 2009500579 | Jasson    | Depok     |
| 2009500690 | Marco     | Jakarta   |
| 2009500667 | Selly     | Jakarta   |
| 2010500240 | Allya     | Jakarta   |
+-----+-----+-----+
8 rows in set (0.001 sec)
```

2. Cara menambahkan column di sebuah tabel

=>Alter table NAMA TABEL add column NAMA COLUMN variabel;

```
MariaDB [Tugas31] > alter table Matakuliah add column Semester varchar(5);
Query OK, 0 rows affected (0.130 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Tugas31] > desc Matakuliah;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| KD_MK      | varchar(7) | YES  |     | NULL    |       |
| Nama_MK    | varchar(20) | YES  |     | NULL    |       |
| SKS        | varchar(5) | YES  |     | NULL    |       |
| Semester   | varchar(5) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.038 sec)

MariaDB [Tugas31] > tabe
```

3. Cara menambahkan Semester di column Semester Sistem Basis Data semester 4  
Sistem Informasi Manajemen semester 6  
Ilmu Budaya Dasar semester 2  
Algoritma semester 2

```
MariaDB [Tugas31] > update Matakuliah set Semester='Semester 4'
-> where Nama_MK='Sistem Basis Data';
Query OK, 1 row affected, 1 warning (0.059 sec)
Rows matched: 1 Changed: 1 Warnings: 1

MariaDB [Tugas31] > update Matakuliah set Semester='Semester 6'
-> where Nama_MK='Sistem Informasi Man';
ERROR 1146 (42S02): Table 'tugas3.makuliah' doesn't exist

MariaDB [Tugas31] > update Matakuliah set Semester='Semester 6'
-> where Nama_MK='Sistem Informasi Man';
Query OK, 1 row affected, 1 warning (1.817 sec)
Rows matched: 1 Changed: 1 Warnings: 1

MariaDB [Tugas31] > update Matakuliah set Semester='Semester 2'
-> where Nama_MK='Ilmu Budaya Dasar';
Query OK, 1 row affected, 1 warning (0.493 sec)
Rows matched: 1 Changed: 1 Warnings: 1

MariaDB [Tugas31] > update Matakuliah set Semester='Semester 2'
-> where Nama_MK='Algoritma 1';
Query OK, 0 rows affected (0.001 sec)
Rows matched: 0 Changed: 0 Warnings: 0

MariaDB [Tugas31] > select*from Matakuliah;
+-----+-----+-----+-----+
| KD_MK | Nama_MK      | SKS | Semester |
+-----+-----+-----+-----+
| KK021 | Sistem Basis Data | 2   | Semes    |
| KD123 | Sistem Informasi Man | 3   | Semes    |
| KD122 | Ilmu Budaya Dasar | 2   | Semes    |
| KK001 | Algoritma 1      | 2   | NULL     |
+-----+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [Tugas31] > update Matakuliah set Semester='Semester 2'
-> where Nama_MK='Algoritma 1';
Query OK, 1 row affected, 1 warning (2.329 sec)
Rows matched: 1 Changed: 1 Warnings: 1

MariaDB [Tugas31] > select*from Matakuliah;
+-----+-----+-----+-----+
| KD_MK | Nama_MK      | SKS | Semester |
+-----+-----+-----+-----+
| KK021 | Sistem Basis Data | 2   | Semes    |
| KD123 | Sistem Informasi Man | 3   | Semes    |
| KD122 | Ilmu Budaya Dasar | 2   | Semes    |
| KK001 | Algoritma 1      | 2   | Semes    |
+-----+-----+-----+-----+
4 rows in set (0.001 sec)
```

4. Cara meruba record pada tabel Nilai yang mempunyai NPM '2009500579' dirubah KD\_MK menjadi KK021, Nilai UTS ditambah 10

```
MariaDB [Tugas31] > update Nilai set KD_MK='KK021',UTS='65'
-> where NPM='2009500579';
Query OK, 1 row affected (0.096 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [Tugas31] > select * from Nilai;
+-----+-----+-----+-----+
| NPM      | KD_MK | UTS | UAS |
+-----+-----+-----+-----+
| 2010500225 | KK021 | 60  | 75  |
| 2010500239 | KD123 | 70  | 90  |
| 2011500331 | KK021 | 50  | 40  |
| 2011500193 | KU122 | 90  | 80  |
| 2009500579 | KK021 | 65  | 75  |
| 2009500690 | KD132 | 85  | 95  |
| 2009500667 | KD132 | 95  | 85  |
+-----+-----+-----+-----+
7 rows in set (0.001 sec)
```

5. Cara menghapus record pada tabel Mahasiswa yang mempunyai NPM '2010500240 '  
=>Delete from Mahasiswa where NPM='.....'

```
MariaDB [Tugas31] > delete from Mahasiswa where NPM='2011500331';
Query OK, 1 row affected (0.112 sec)

MariaDB [Tugas31] > select * from Mahasiswa;
+-----+-----+-----+
| NPM      | Nama   | Kota   |
+-----+-----+-----+
| 2010500225 | Jasson | Bogor  |
| 2010500239 | Bintang | Bogor  |
| 2011500193 | Findy  | Jakarta |
| 2009500579 | jasson | Depok  |
| 2009500690 | Marco  | Jakarta |
| 2009500667 | Selly  | Jakarta |
| 2010500240 | Allya  | Jakarta |
+-----+-----+-----+
7 rows in set (0.001 sec)
```

6. Cara menampilkan NPM, Nama yang ada di tabel Mahasiswa  
=>Select NPM,Nama from Mahasiswa;

```
MariaDB [Tugas31] > select NPM,Nama from Mahasiswa;
+-----+-----+
| NPM      | Nama   |
+-----+-----+
| 2010500225 | Jasson |
| 2010500239 | Bintang |
| 2011500193 | Findy  |
| 2009500579 | jasson |
| 2009500690 | Marco  |
| 2009500667 | Selly  |
| 2010500240 | Allya  |
+-----+-----+
7 rows in set (0.001 sec)
```

7. Cara menampilkan yang ada di tabel Mahasiswa (jika ada banyak mahasiswa dengan nama sama, tapi NPMnya berbeda, maka hanya satu nama yang tampil) gunakan DISTINCT  
=>Select distinct Nama from Mahasiswa;

```
MariaDB [Tugas31] > select distinct Nama from Mahasiswa;
+-----+
| Nama   |
+-----+
| Jasson |
| Bintang |
| Findy  |
| Marco  |
| Selly  |
| Allya  |
+-----+
6 rows in set (0.001 sec)
```

8. Cara menampilkan seluruh data mahasiswa yang tinggal di kota Depok  
=>Select \* from Mahasiswa where Kota='Depok';

```
in Mahasiswa where Kota='Depok' at line 1
MariaDB [Tugas31] > select * from Mahasiswa where Kota='Depok';
+-----+-----+-----+
| NPM      | Nama   | Kota   |
+-----+-----+-----+
| 2009500579 | jasson | Depok  |
+-----+-----+-----+
1 row in set (0.001 sec)
```

9. Cara menampilkan seluruh data untuk mahasiswa dengan NPM '2011500331 '

=>Select \* from Mahasiswa where NPM='2011500331';

```
MariaDB [Tugas31]> select*from Mahasiswa where NPM='2011500331';
+-----+-----+-----+
| NPM      | Nama    | Kota    |
+-----+-----+-----+
| 2011500331 | Talitha | Bekasi  |
+-----+-----+-----+
1 row in set (0.001 sec)
```

- 10.

```
MariaDB [Tugas31]> select*from Matakuliah where Semester
-> between semester 4 and semester 6;
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 '4 a
nd semester 6' at line 2
MariaDB [Tugas31]>
```