

Nama : Slamet Shariful Zaidin

Prodi : Informatika B

1. INSERT single record pada tabel ms_mahasiswa

```
Command Prompt - .\xampp x Windows PowerShell
+-----+-----+-----+-----+-----+-----+-----+-----+
| nim | nama_mahasiswa | jenis_kelamin | tgl_lahir | alamat | kota | semester | kode_unit |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 04102001 | Nur Qomari | L | 1998-12-05 | Jl. Raya Ngelom Megare No.45 | Jayapura | 1 | 201 |
| 04102002 | Fatin Anfusina | P | 1999-04-13 | Jl. Pahlawan No.11 | Biak | 1 | 201 |
| 04102003 | Ari Rishadi | L | 1999-05-12 | Jl. Ahmad Yani No.15 | Biak | 1 | 202 |
| 04102004 | Eman Setiawan | L | 1999-01-30 | Jl. Bhayangkara No.7 | Jayapura | 2 | 201 |
| 04102005 | TUBAGUS | L | 1998-02-25 | Ruko Delta Fortuna 11 A | Sarmi | 2 | 202 |
| 04102006 | Feri Hendrawan | L | 1999-03-12 | Jl. Raya Kota Sarmi No.100 | Sarmi | 3 | 201 |
| 04102007 | Nathalia Damastuti | P | 1999-08-20 | Jl. Ahmad Yani No. 167 | Biak | 3 | 202 |
| 04102008 | Johan Yan | L | 1999-07-23 | Jl. Pahlawan No.17 B | Jayapura | 4 | 201 |
| 04102009 | Akhmad Faikar Abduh | L | 1998-10-31 | Jl. Bhayangkara 11-C | Jayapura | 4 | 202 |
| 04102010 | Sri Ayami | P | 1999-01-15 | Jalan Raya Sarmi No.164 A | Sarmi | 4 | 202 |
+-----+-----+-----+-----+-----+-----+-----+-----+
10 rows in set (0.023 sec)

MariaDB [db_akademik]> INSERT INTO ms_mahasiswa (nim,nama_mahasiswa,jenis_kelamin,tgl_lahir,alamat,kota,semester,kode_unit)
-> VALUES
-> ('04102011','Shariful Zaidin','L','2003-11-17','Jaya Asri','Jayapura','2','202');
Query OK, 1 row affected (0.018 sec)

MariaDB [db_akademik]> |
```

2. INSERT multiple record pada tabel?... temp_mahasiswa hanya mahasiswa yang dari kota 'Jayapura'?

```
Command Prompt - .\xampp x Windows PowerShell
Query OK, 1 row affected (0.018 sec)

MariaDB [db_akademik]> CREATE TABLE temp_mahasiswa (
-> nim CHAR(8) NOT NULL,
-> nama_mahasiswa VARCHAR(20),
-> jenis_kelamin CHAR(1),
-> tgl_lahir DATE,
-> alamat VARCHAR(30),
-> kota VARCHAR(15),
-> semester CHAR(1),
-> kode_unit CHAR(3),
-> PRIMARY KEY(nim)
-> );
Query OK, 0 rows affected (0.020 sec)

MariaDB [db_akademik]> INSERT INTO temp_mahasiswa (nim,nama_mahasiswa,jenis_kelamin,tgl_lahir,alamat,kota,semester,kode_unit)
-> SELECT nim,nama_mahasiswa,jenis_kelamin,tgl_lahir,alamat,kota,semester,kode_unit FROM ms_mahasiswa WHERE kota="Jayapura";
Query OK, 5 rows affected (0.023 sec)
Records: 5 Duplicates: 0 Warnings: 0

MariaDB [db_akademik]> SELECT * FROM temp_mahasiswa;
+-----+-----+-----+-----+-----+-----+-----+-----+
| nim | nama_mahasiswa | jenis_kelamin | tgl_lahir | alamat | kota | semester | kode_unit |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 04102001 | Nur Qomari | L | 1998-12-05 | Jl. Raya Ngelom Megare No.45 | Jayapura | 1 | 201 |
| 04102004 | Eman Setiawan | L | 1999-01-30 | Jl. Bhayangkara No.7 | Jayapura | 2 | 201 |
| 04102008 | Johan Yan | L | 1999-07-23 | Jl. Pahlawan No.17 B | Jayapura | 4 | 201 |
| 04102009 | Akhmad Faikar Abduh | L | 1998-10-31 | Jl. Bhayangkara 11-C | Jayapura | 4 | 202 |
| 04102011 | Shariful Zaidin | L | 2003-11-17 | Jaya Asri | Jayapura | 2 | 202 |
+-----+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.001 sec)

MariaDB [db_akademik]> |
```

3. UPDATE pada table ms_mahasiswa yang semester='1' menjadi semester='5'?...

```
MariaDB [db_akademik]> UPDATE ms_mahasiswa SET semester="5" WHERE semester="1";
Query OK, 3 rows affected (0.004 sec)
Rows matched: 3 Changed: 3 Warnings: 0

MariaDB [db_akademik]> SELECT * FROM ms_mahasiswa;
```

nim	nama_mahasiswa	jenis_kelamin	tgl_lahir	alamat	kota	semester	kode_unit
04102001	Nur Qomari	L	1998-12-05	Jl. Raya Ngelom Megare No.45	Jayapura	5	201
04102002	Fatin Anfusina	P	1999-04-13	Jl. Pahlawan No.11	Biak	5	201
04102003	Ari Rishadi	L	1999-05-12	Jl. Ahmad Yani No.15	Biak	5	202
04102004	Eman Setiawan	L	1999-01-30	Jl. Bhayangkara No.7	Jayapura	2	201
04102005	TUBAGUS	L	1998-02-25	Ruko Delta Fortuna 11 A	Sarmi	2	202
04102006	Feri Hendrawan	L	1999-03-12	Jl. Raya Kota Sarmi No.100	Sarmi	3	201
04102007	Nathalia Damastuti	P	1999-08-20	Jl. Ahmad Yani No. 167	Biak	3	202
04102008	Johan Yan	L	1999-07-23	Jl. Pahlawan No.17 B	Jayapura	4	201
04102009	Akhmad Faikar Abduh	L	1998-10-31	Jl. Bhayangkara 11-C	Jayapura	4	202
04102010	Sri Ayami	P	1999-01-15	Jalan Raya Sarni No.164 A	Sarmi	4	202
04102011	Shariful Zaidin	L	2003-11-17	Jaya Asri	Jayapura	2	202

```
11 rows in set (0.001 sec)

MariaDB [db_akademik]> |
```

4. UPDATE pada table ms_mahasiswa dengan nim='04102008' untuk nama mahasiswa diubah menjadi 'Jonathan Yan'

```
MariaDB [db_akademik]> UPDATE ms_mahasiswa SET nama_mahasiswa="Jonathan Yan" WHERE nim="04102008";
Query OK, 1 row affected (0.005 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [db_akademik]> SELECT * FROM ms_mahasiswa;
```

nim	nama_mahasiswa	jenis_kelamin	tgl_lahir	alamat	kota	semester	kode_unit
04102001	Nur Qomari	L	1998-12-05	Jl. Raya Ngelom Megare No.45	Jayapura	5	201
04102002	Fatin Anfusina	P	1999-04-13	Jl. Pahlawan No.11	Biak	5	201
04102003	Ari Rishadi	L	1999-05-12	Jl. Ahmad Yani No.15	Biak	5	202
04102004	Eman Setiawan	L	1999-01-30	Jl. Bhayangkara No.7	Jayapura	2	201
04102005	TUBAGUS	L	1998-02-25	Ruko Delta Fortuna 11 A	Sarmi	2	202
04102006	Feri Hendrawan	L	1999-03-12	Jl. Raya Kota Sarmi No.100	Sarmi	3	201
04102007	Nathalia Damastuti	P	1999-08-20	Jl. Ahmad Yani No. 167	Biak	3	202
04102008	Jonathan Yan	L	1999-07-23	Jl. Pahlawan No.17 B	Jayapura	4	201
04102009	Akhmad Faikar Abduh	L	1998-10-31	Jl. Bhayangkara 11-C	Jayapura	4	202
04102010	Sri Ayami	P	1999-01-15	Jalan Raya Sarni No.164 A	Sarmi	4	202
04102011	Shariful Zaidin	L	2003-11-17	Jaya Asri	Jayapura	2	202

```
11 rows in set (0.001 sec)

MariaDB [db_akademik]> |
```

5. DELETE pada table ms_mahasiswa dengan nim='04102002'

```
MariaDB [db_akademik]> DELETE FROM ms_mahasiswa WHERE nim="04102002";
Query OK, 1 row affected (0.020 sec)

MariaDB [db_akademik]> SELECT * FROM ms_mahasiswa;
```

nim	nama_mahasiswa	jenis_kelamin	tgl_lahir	alamat	kota	semester	kode_unit
04102001	Nur Qomari	L	1998-12-05	Jl. Raya Ngelom Megare No.45	Jayapura	5	201
04102003	Ari Rishadi	L	1999-05-12	Jl. Ahmad Yani No.15	Biak	5	202
04102004	Eman Setiawan	L	1999-01-30	Jl. Bhayangkara No.7	Jayapura	2	201
04102005	TUBAGUS	L	1998-02-25	Ruko Delta Fortuna 11 A	Sarmi	2	202
04102006	Feri Hendrawan	L	1999-03-12	Jl. Raya Kota Sarmi No.100	Sarmi	3	201
04102007	Nathalia Damastuti	P	1999-08-20	Jl. Ahmad Yani No. 167	Biak	3	202
04102008	Jonathan Yan	L	1999-07-23	Jl. Pahlawan No.17 B	Jayapura	4	201
04102009	Akhmad Faikar Abduh	L	1998-10-31	Jl. Bhayangkara 11-C	Jayapura	4	202
04102010	Sri Ayami	P	1999-01-15	Jalan Raya Sarni No.164 A	Sarmi	4	202
04102011	Shariful Zaidin	L	2003-11-17	Jaya Asri	Jayapura	2	202

```
10 rows in set (0.001 sec)

MariaDB [db_akademik]> |
```