

Tugas 3

TABEL MAHASISWA

NPM	NAMA	KOTA
2010500225	Jasson	Bogor
2010500239	Bintang	Bogor
2011500331	Talitha	Bekasi
2011500193	Findy	Jakarta
2009500579	Jasson	Depok
2009500690	Marco	Jakarta
2009500667	Selly	Jakarta

TABEL MATAKULIAH

KD_MK	Nama_MK	SKS
KK021	Sistem Basis Data	2
KD123	Sistem Informasi Manajemen	3
KU122	Ilmu Budaya Dasar	2
KK001	Algoritma 1	2

TABEL NILAI

NPM	KD_MK	UTS	UAS
2010500225	KK021	60	75
2010500239	KD123	70	90
2011500331	KK021	50	40
2011500193	KU122	90	80
2009500579	KU122	55	75
2009500690	KD132	85	95
2009500667	KD132	95	85

PERINTAH:

1. Tampilkan record '2010500240', 'Allya', 'Jakarta' ke tabel Mahasiswa!

```
MariaDB [tugas3]> select * from Mahasiswa where NPM=2010500240
OR Nama='Allya' OR Alamat='Jakarta';
+-----+-----+-----+
| NPM    | Nama  | Alamat |
+-----+-----+-----+
| 2009500667 | Selly | Jakarta |
| 2009500690 | Marco | Jakarta |
| 2011500193 | Findy | Jakarta |
+-----+-----+-----+
3 rows in set (0.002 sec)

MariaDB [tugas3]> █
```

2. Tambahkan field semester pada tabel Matakuliah!

```
MariaDB [tugas3]> ALTER TABLE Matakuliah ADD column SemQuery  
K, 0 rows affected (0.049 sec)  
Records: 0 Duplicates: 0 Warnings: 0  
  
MariaDB [tugas3]> UPDATE Matakuliah set Semester='SemesQuery
```

3. Isilah field semester untuk Sistem Basis Data semester 4

Sistem Informasi Manajemen semester 6

Ilmu Budaya Dasar semester 2

Algoritma semester 2

```
MariaDB [tugas3]> UPDATE Matakuliah set Semester='SemesQuery 0  
K, 1 row affected (0.022 sec)ata';  
Rows matched: 1 Changed: 1 Warnings: 0  
  
MariaDB [tugas3]> UPDATE Matakuliah set Semester='Semester 6'  
WHERE Nama_MK='Sistem Informasi Manajemen';  
Query OK, 1 row affected (0.023 sec)  
Rows matched: 1 Changed: 1 Warnings: 0  
  
MariaDB [tugas3]> UPDATE Matakuliah set Semester='SemesQuery 0  
K, 1 row affected (0.016 sec)sar';  
Rows matched: 1 Changed: 1 Warnings: 0  
  
MariaDB [tugas3]> UPDATE Matakuliah set Semester='SemesQuery 0  
K, 0 rows affected (0.002 sec)  
Rows matched: 0 Changed: 0 Warnings: 0
```

```
MariaDB [tugas3]> select * from Matakuliah;          +-----  
+-----+-----+-----+-----+  
| KD_MK | Nama_MK                | SKS | Semester |  
+-----+-----+-----+-----+  
| KK021 | Sistem Basis Data      | 2   | Semester 4 |  
| KD123 | Sistem Informasi Manajemen | 3   | Semester 6 |  
| KU122 | Ilmu Budaya Dasar      | 2   | Semester 2 |  
| KK001 | Algoritma 1            | 2   | NULL       |  
+-----+-----+-----+-----+  
4 rows in set (0.003 sec)  
  
MariaDB [tugas3]> █
```

4. Rubahlah record pada tabel Nilai yang mempunyai NPM '2009500579' dirubah KD_MK menjadi KK021. Nilai UTS ditambah 10!

```
MariaDB [tugas3]> update Nilai set KD_MK='KK021',UTS=55+10 WHE  
RE NPM='2009500579';  
Query OK, 1 row affected (0.035 sec)  
Rows matched: 1 Changed: 1 Warnings: 0  
  
MariaDB [tugas3]> select * from Nilai;  
+-----+-----+-----+-----+  
| NPM      | KD_MK | UTS | UAS |  
+-----+-----+-----+-----+  
| 2009500579 | KK021 | 65  | 75  |  
| 2009500667 | KD132 | 95  | 85  |  
| 2009500690 | KD132 | 85  | 95  |  
| 2010500225 | KK021 | 60  | 75  |  
| 2010500239 | KD123 | 70  | 90  |  
| 2011500193 | KU122 | 90  | 80  |  
| 2011500331 | KK021 | 50  | 40  |  
+-----+-----+-----+-----+  
7 rows in set (0.001 sec)  
  
MariaDB [tugas3]> █
```

5. Hapus record pada tabel Mahasiswa yang mempunyai NPM '2010500240'!

```
MariaDB [tugas3]> DELETE FROM Mahasiswa WHERE NPM='2010500240'  
Query OK, 0 rows affected (0.006 sec)
```

```
MariaDB [tugas3]> █
```

6. Tampilkan NPM, Nama yang ada di tabel Mahasiswa!

```
MariaDB [tugas3]> select NPM, Nama from Mahasiswa;
```

```
+-----+-----+  
| NPM          | Nama      |  
+-----+-----+  
| 2009500579   | Jasson    |  
| 2009500667   | Selly     |  
| 2009500690   | Marco     |  
| 2010500225   | Jasson    |  
| 2010500239   | Bintang   |  
| 2011500193   | Findy     |  
| 2011500331   | Talitha   |  
+-----+-----+  
7 rows in set (0.002 sec)
```

```
MariaDB [tugas3]> █
```

7. Tampilkan nama yang ada di tabel Mahasiswa (jika ada banyak mahasiswa dengan nama sama, tapi NPMnya berbeda, maka hanya satu nama yang tampil) gunakan DISTINCT!

```
MariaDB [tugas3]> SELECT DISTINCT Nama FROM Mahasiswa;
```

```
+-----+  
| Nama      |  
+-----+  
| Jasson    |  
| Selly     |  
| Marco     |  
| Bintang   |  
| Findy     |  
| Talitha   |  
+-----+  
6 rows in set (0.002 sec)
```

```
MariaDB [tugas3]> █
```

8. Tampilkan seluruh data mahasiswa yang tinggal di kota Depok!

```
MariaDB [tugas3]> SELECT * FROM Mahasiswa WHERE Alamat='Depok'
```

```
;  
+-----+-----+-----+  
| NPM          | Nama      | Alamat |  
+-----+-----+-----+  
| 2009500579   | Jasson    | Depok  |  
+-----+-----+-----+  
1 row in set (0.002 sec)
```

```
MariaDB [tugas3]> █
```

9. Tampilkan seluruh data untuk mahasiswa dengan NPM '2011500331'!

```
MariaDB [tugas3]> SELECT * FROM Mahasiswa WHERE NPM='2011500331';
```

NPM	Nama	Alamat
2011500331	Talitha	Bekasi

```
1 row in set (0.004 sec)
```

```
MariaDB [tugas3]> █
```

10. Tampilkan semua data Matakuliah yang diselenggarakan di semester 4 hingga 6! (Gunakan Between)!

```
MariaDB [tugas3]> SELECT * FROM Matakuliah WHERE Semester BETWEEN 'Semester 4' AND 'Semester 6';
```

KD_MK	Nama_MK	SKS	Semester
KK021	Sistem Basis Data	2	Semester 4
KD123	Sistem Informasi Manajemen	3	Semester 6

```
2 rows in set (0.003 sec)
```

```
MariaDB [tugas3]> █
```