

Name: Zaky Irwansyah Andhika

Issues: Tugas Basis Data Pertemuan 4

1. Pembuatan Database dengan nama saya

Jwb:

```
mysql> CREATE DATABASE zaky_irwansyah_andhika;
Query OK, 1 row affected (0.01 sec)

mysql> SHOW DATABASES;
+-----+
| Database |
+-----+
| badmintondb |
| booking_db |
| exact_new_db |
| information_schema |
| mysql |
| performance_schema |
| sakila |
| sys |
| world |
| zaky_irwansyah_andhika |
+-----+
10 rows in set (0.00 sec)
```

2. Tabel dengan nama mahasiswa , dengan npm sebagai primary key

Jwb:

```
mysql> create table mahasiswa(npm char(10) primary key, nama_mahasiswa varchar(100), semester int
, mata_kuliah varchar(100), nilai int);
Query OK, 0 rows affected (0.07 sec)

mysql> SHOW TABLES;
+-----+
| Tables_in_zaky_irwansyah_andhika |
+-----+
| mahasiswa |
+-----+
1 row in set (0.02 sec)

mysql> DESC mahasiswa;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| npm | char(10) | NO | PRI | NULL | |
| nama_mahasiswa | varchar(100) | YES | | NULL | |
| semester | int | YES | | NULL | |
| mata_kuliah | varchar(100) | YES | | NULL | |
| nilai | int | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.02 sec)

mysql>
```

3. Tampilan Table Mahasiswa

Jwb:

```
mysql> SELECT * FROM mahasiswa;
```

npm	nama_mahasiswa	semester	mata_kuliah	nilai
111709	Budi	1	Basis data	90
117812	Tina	3	Web	50
118675	Tuti	7	Agama	70
189011	Anto	4	Basis data	80

```
4 rows in set (0.00 sec)

mysql>
```

4. Merubah Mata kuliah agama ke Algoritma

Jwb

Before Modified:

```
mysql> SELECT * FROM mahasiswa;
```

npm	nama_mahasiswa	semester	mata_kuliah	nilai
111709	Budi	1	Basis data	90
117812	Tina	3	Web	50
118675	Tuti	7	Agama	70
189011	Anto	4	Basis data	80

```
4 rows in set (0.00 sec)

mysql>
```

After Modified:

```
mysql> UPDATE TABLE mahasiswa
-> SET mata_kuliah='Algoritma' WHERE npm='189011';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'TABLE mahasiswa SET mata_kuliah='Algoritma' WHERE npm='189011'' at line 1
mysql> UPDATE mahasiswa
-> SET mata_kuliah='Algoritma' WHERE npm='118675';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> SELECT * FROM mahasiswa;
```

npm	nama_mahasiswa	semester	mata_kuliah	nilai
111709	Budi	1	Basis data	90
117812	Tina	3	Web	50
118675	Tuti	7	Algoritma	70
189011	Anto	4	Basis data	80

```
4 rows in set (0.00 sec)

mysql>
```

5. Data dengan nilai di atas 70

Jwb

```
mysql> SELECT * FROM mahasiswa WHERE nilai > 70;
+-----+-----+-----+-----+-----+
| npm   | nama_mahasiswa | semester | mata_kuliah | nilai |
+-----+-----+-----+-----+-----+
| 111709 | Budi           | 1        | Basis data  | 90    |
| 189011 | Anto           | 4        | Basis data  | 80    |
+-----+-----+-----+-----+-----+
2 rows in set (0.01 sec)

mysql> DELETE FROM mahasiswa WHERE nilai=50;
Query OK, 1 row affected (0.01 sec)
```

6. Tampilan data setelah data di delete dengan nilai 50

```
mysql> DELETE FROM mahasiswa WHERE nilai=50;
Query OK, 1 row affected (0.01 sec)

mysql> SELECT * FROM mahasiswa;
+-----+-----+-----+-----+-----+
| npm   | nama_mahasiswa | semester | mata_kuliah | nilai |
+-----+-----+-----+-----+-----+
| 111709 | Budi           | 1        | Basis data  | 90    |
| 118675 | Tuti           | 7        | Algoritma   | 70    |
| 189011 | Anto           | 4        | Basis data  | 80    |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```