



# **PRAKTIKUM BASIS DATA**

**INF1133**

## **LAPORAN PRAKTIKUM 10**

Oleh :

*Akhmad Qasim*

*2211102441237*

Teknik Informatika  
Fakultas Sains & Teknologi  
Universitas Muhammadiyah Kalimantan Timur

Samarinda, 2023

# Laporan Praktikum 10:

## Percobaan & Latihan:

1. create database dbtoko;

```
MariaDB [(none)]> create database dbtoko;  
Query OK, 1 row affected (0.003 sec)
```

2. show databases;

```
MariaDB [(none)]> show databases;  
+-----+  
| Database |  
+-----+  
| dbkursus_aq |  
| dbtoko |  
| informatika |  
| information_schema |  
| latihan1 |  
| mysql |  
| performance_schema |  
| php_mysql_crud |  
| phpmyadmin |  
| sma1 |  
| test |  
| toko |  
+-----+  
12 rows in set (0.001 sec)
```

3. use dbtoko;

```
MariaDB [(none)]> use dbtoko;  
Database changed
```

4. create table tblkelompok(  
    idkelompok int not null auto\_increment primary key,  
    kelompok varchar(100)  
);

```
MariaDB [dbtoko]> create table tblkelompok(  
-> idkelompok int not null auto_increment primary key,  
-> kelompok varchar(100)  
-> );  
Query OK, 0 rows affected (0.008 sec)
```

5. show tables;

```
MariaDB [dbtoko]> show tables;
+-----+
| Tables_in_dbtoko |
+-----+
| tblkelompok      |
+-----+
1 row in set (0.000 sec)
```

6. desc tblkelompok;

```
MariaDB [dbtoko]> desc tblkelompok;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| idkelompok | int(11)       | NO   | PRI | NULL    | auto_increment |
| kelompok    | varchar(100)  | YES  |     | NULL    |                |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.008 sec)
```

7. create table tblbarang(  
    idbarang int not null auto\_increment primary key,  
    idkelompok int,  
    barang varchar(200),  
    stok float,  
    hargabeli float  
);

```
MariaDB [dbtoko]> create table tblbarang(
-> idbarang int not null auto_increment primary key,
-> idkelompok int,
-> barang varchar(200),
-> stok float,
-> hargabeli float
-> );
Query OK, 0 rows affected (0.008 sec)
```

8. show tables;

```
MariaDB [dbtoko]> show tables;
+-----+
| Tables_in_dbtoko |
+-----+
| tblbarang         |
| tblkelompok      |
+-----+
2 rows in set (0.000 sec)
```

9. alter table tblbarang add harga\_jual float;

```
MariaDB [dbtoko]> alter table tblbarang add harga_jual float;
Query OK, 0 rows affected (0.007 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

10. desc tblbarang;

```
MariaDB [dbtoko]> desc tblbarang;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| idbarang   | int(11)       | NO   | PRI | NULL    | auto_increment |
| idkelompok | int(11)       | YES  |     | NULL    |                |
| barang     | varchar(200)  | YES  |     | NULL    |                |
| stok       | float         | YES  |     | NULL    |                |
| hargabeli  | float         | YES  |     | NULL    |                |
| harga_jual | float         | YES  |     | NULL    |                |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.003 sec)
```

11. alter table tblbarang modify stok int;

```
MariaDB [dbtoko]> alter table tblbarang modify stok int;
Query OK, 0 rows affected (0.022 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

12. desc table tblbarang;

```
MariaDB [dbtoko]> desc tblbarang;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| idbarang   | int(11)       | NO   | PRI | NULL    | auto_increment |
| idkelompok | int(11)       | YES  |     | NULL    |                |
| barang     | varchar(200)  | YES  |     | NULL    |                |
| stok       | int(11)       | YES  |     | 0       |                |
| hargabeli  | float         | YES  |     | NULL    |                |
| harga_jual | float         | YES  |     | NULL    |                |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.003 sec)
```

13. alter table tblbarang alter column stok set default 0;

```
MariaDB [dbtoko]> alter table tblbarang alter column stok set default 0;
Query OK, 0 rows affected (0.007 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

14. desc tblbarang;

```
MariaDB [dbtoko]> desc tblbarang;
```

Field	Type	Null	Key	Default	Extra
idbarang	int(11)	NO	PRI	NULL	auto_increment
idkelompok	int(11)	YES		NULL	
barang	varchar(200)	YES		NULL	
stok	int(11)	YES		0	
hargabeli	float	YES		NULL	
harga_jual	float	YES		NULL	

6 rows in set (0.003 sec)

15. alter table tblbarang add stokminimal int;

```
MariaDB [dbtoko]> alter table tblbarang add stokminimal int;
Query OK, 0 rows affected (0.006 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

16. desc tblbarang;

```
MariaDB [dbtoko]> desc tblbarang;
```

Field	Type	Null	Key	Default	Extra
idbarang	int(11)	NO	PRI	NULL	auto_increment
idkelompok	int(11)	YES		NULL	
barang	varchar(200)	YES		NULL	
stok	int(11)	YES		0	
hargabeli	float	YES		NULL	
harga_jual	float	YES		NULL	
stokminimal	int(11)	YES		NULL	

7 rows in set (0.003 sec)

17. alter table tblbarang drop column stokminimal;

```
MariaDB [dbtoko]> alter table tblbarang drop column stokminimal;
Query OK, 0 rows affected (0.006 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

18. desc tblbarang;

```
MariaDB [dbtoko]> desc tblbarang;
```

Field	Type	Null	Key	Default	Extra
idbarang	int(11)	NO	PRI	NULL	auto_increment
idkelompok	int(11)	YES		NULL	
barang	varchar(200)	YES		NULL	
stok	int(11)	YES		0	
hargabeli	float	YES		NULL	
harga_jual	float	YES		NULL	

6 rows in set (0.003 sec)

19. alter table tblbarang change stok stok\_barang int;

```
MariaDB [dbtoko]> alter table tblbarang change stok stok_barang int;
Query OK, 0 rows affected (0.007 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

20. desc tblbarang;

```
MariaDB [dbtoko]> desc tblbarang;
```

Field	Type	Null	Key	Default	Extra
idbarang	int(11)	NO	PRI	NULL	auto_increment
idkelompok	int(11)	YES		NULL	
barang	varchar(200)	YES		NULL	
stok_barang	int(11)	YES		NULL	
hargabeli	float	YES		NULL	
harga_jual	float	YES		NULL	

6 rows in set (0.003 sec)

21. create table table\_pelanggan(

id\_pelanggan int,  
nama varchar(200),  
alamat varchar(255)

);

```
MariaDB [dbtoko]> create table table_pelanggan(
-> id_pelanggan int,
-> nama varchar(200),
-> alamat varchar(255)
-> );
Query OK, 0 rows affected (0.007 sec)
```

22. alter table table\_pelanggan modify id\_pelanggan int not null auto\_increment primary key;

```
MariaDB [dbtoko]> alter table table_pelanggan modify id_pelanggan int not null auto_increment primary key;
Query OK, 0 rows affected (0.022 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

23. desc table\_pelanggan;

```
MariaDB [dbtoko]> desc table_pelanggan;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| id_pelanggan   | int(11)       | NO   | PRI | NULL    | auto_increment |
| nama           | varchar(200)  | YES  |     | NULL    |                |
| alamat         | varchar(255)  | YES  |     | NULL    |                |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.003 sec)
```

24. show create table table\_pelanggan;

```
MariaDB [dbtoko]> show create table table_pelanggan;
+-----+-----+
| Table          | Create Table          |
+-----+-----+
| table_pelanggan | CREATE TABLE `table_pelanggan` (
  `id_pelanggan` int(11) NOT NULL AUTO_INCREMENT,
  `nama` varchar(200) DEFAULT NULL,
  `alamat` varchar(255) DEFAULT NULL,
  PRIMARY KEY (`id_pelanggan`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci |
+-----+-----+
1 row in set (0.000 sec)
```

25. create table table\_order(

```
id_order int not null auto_increment primary key,
id_pelanggan int,
tanggal_order date,
total float,
bayar float,
kembali float
```

```
);
MariaDB [dbtoko]> create table table_order(
-> id_order int not null auto_increment primary key,
-> id_pelanggan int,
-> tanggal_order date,
-> total float,
-> bayar float,
-> kembali float
-> );
Query OK, 0 rows affected (0.031 sec)
```

26. desc table\_order;

```
MariaDB [dbtoko]> desc table_order;
```

Field	Type	Null	Key	Default	Extra
id_order	int(11)	NO	PRI	NULL	auto_increment
id_pelanggan	int(11)	YES		NULL	
tanggal_order	date	YES		NULL	
total	float	YES		NULL	
bayar	float	YES		NULL	
kembali	float	YES		NULL	

6 rows in set (0.004 sec)

27. alter table table\_order add faktur varchar(50) after id\_pelanggan;

```
MariaDB [dbtoko]> alter table table_order add faktur varchar(50) after id_pelanggan;
Query OK, 0 rows affected (0.006 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

28. desc table\_order;

```
MariaDB [dbtoko]> desc table_order;
```

Field	Type	Null	Key	Default	Extra
id_order	int(11)	NO	PRI	NULL	auto_increment
id_pelanggan	int(11)	YES		NULL	
faktur	varchar(50)	YES		NULL	
tanggal_order	date	YES		NULL	
total	float	YES		NULL	
bayar	float	YES		NULL	
kembali	float	YES		NULL	

7 rows in set (0.003 sec)

29. create table order\_detail(

id\_order\_detail int not null auto\_increment primary key,

id\_order int,

id\_barang int,

jumlah int,

harga\_jual float



);

```
MariaDB [dbtoko]> create table order_detail(
-> id_order_detail int not null auto_increment primary key,
-> id_order int,
-> id_barang int,
-> jumlah int,
-> harga_jual float
-> );
Query OK, 0 rows affected (0.007 sec)
```

30. desc order\_detail;

```
MariaDB [dbtoko]> desc order_detail;
+-----+-----+-----+-----+-----+-----+
| Field          | Type      | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| id_order_detail | int(11)   | NO   | PRI | NULL     | auto_increment |
| id_order        | int(11)   | YES  |     | NULL     |                |
| id_barang       | int(11)   | YES  |     | NULL     |                |
| jumlah         | int(11)   | YES  |     | NULL     |                |
| harga_jual      | float     | YES  |     | NULL     |                |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.003 sec)
```

31. create index pelanggan\_index on table\_pelanggan (nama);

```
MariaDB [dbtoko]> create index pelanggan_index on table_pelanggan (nama);
Query OK, 0 rows affected (0.007 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

32. create index barang\_index on tblbarang (barang);

```
MariaDB [dbtoko]> create index barang_index on tblbarang (barang);
Query OK, 0 rows affected (0.007 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

33. show index from tblbarang;

```
MariaDB [dbtoko]> show index from tblbarang;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| Table | Non_unique | Key_name | Seq_in_index | Column_name | Collation | Cardinality | Sub_part | Packed | Null | Index_type | Comment | Index_comment |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| tblbarang | 0 | PRIMARY | 1 | idbarang | A | 0 | NULL | NULL | YES | BTREE | | |
| tblbarang | 1 | barang_index | 1 | barang | A | 0 | NULL | NULL | YES | BTREE | | |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.000 sec)
```

34. drop index pelanggan\_index on table\_pelanggan;

```
MariaDB [dbtoko]> drop index pelanggan_index on table_pelanggan;
Query OK, 0 rows affected (0.007 sec)
Records: 0 Duplicates: 0 Warnings: 0
```