

TUGAS PRAKTIKUM SISTEM DATABASE 1



Disusun Oleh:

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**PROGRAM STUDI S-1 TEKNIK INFORMATIKA
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1. Buat Database bernama "dbCustomer", lalu gunakan database tersebut.

```
mysql> CREATE DATABASE dbCustomer;#Prames-59
Query OK, 1 row affected (0.01 sec)
mysql> use dbCustomer;#Prames-59
Database changed
```

2. Buat query untuk membuat tabel bernama "customer" sebagai berikut.

```
mysql> DESC customer;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| IDcust         | int(5)        | NO   | PRI | NULL    | auto_increment |
| customer_name  | varchar(30)   | NO   |     | NULL    |                |
| address        | text          | YES  |     | NULL    |                |
| phone_number   | varchar(15)   | YES  |     | NULL    |                |
| email          | varchar(30)   | YES  |     | NULL    |                |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.11 sec)
```

```
mysql> CREATE TABLE costumer (
  -> IDCust int NOT NULL,
  -> customer_name varchar(30) NOT NULL,
  -> address text,
  -> phone_number varchar(15),
  -> email varchar(30)
  -> );#Prames-59
Query OK, 0 rows affected (0.04 sec)
```

3. Buat query untuk menambahkan record pada tabel "customer".

```
+-----+-----+-----+-----+-----+
| IDCust | customer_name | address      | phone_number | email                |
+-----+-----+-----+-----+-----+
| 2      | John Deo      | New York    | (212)692-9292 | John124@gmail.com    |
| 3      | Max Ruin      | Houston     | 713-755-5000  | RuinMax09@yahoo.com  |
| 4      | Alex John     | Denver      | 888-426-4435  | Alex_John1@gmail.com |
| 5      | Steve Jobs    | Sydney      | 132-388-8893  | steve@apple.com      |
| 6      | Larry Ellison | Washington DC | 123-222-888   | larry@oracle.com     |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> INSERT INTO costumer VALUE ('1', "John Deo", "New York", "(212)692-9292", "John124@gmail.com");#Prames-59
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO costumer VALUE ('2', "Max Ruin", "Houston", "713-755-5000", "RuinMax09@yahoo.com");#Prames-59
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO costumer VALUE ('3', "Alex John", "Denver", "888-426-4435", "Alex_John1@gmail.com");#Prames-59
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO costumer VALUE ('4', "Steve Jobs", "Sydney", "132-388-8893", "steve@apple.com");#Prames-59
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO costumer VALUE ('5', "Larry Ellison", "Washington DC", "123-222-888", "larry@oracle.com");#Prames-59
Query OK, 1 row affected (0.01 sec)
```

4. Buat query untuk menampilkan record dari table "customer" yang "customer_name"-nya terdapat kata "John".

```
+-----+-----+-----+-----+-----+
| IDCust | customer_name | address | phone_number | email |
+-----+-----+-----+-----+-----+
|      2 | John Deo      | New York | (212)692-9292 | John124@gmail.com |
|      4 | Alex John     | Denver  | 888-426-4435  | Alex_John1@gmail.com |
+-----+-----+-----+-----+-----+
2 rows in set (0.14 sec)
```

```
mysql> SELECT * FROM costumer WHERE (customer_name like "%John%");#Prames-59
+-----+-----+-----+-----+-----+
| IDCust | customer_name | address | phone_number | email |
+-----+-----+-----+-----+-----+
|      1 | John Deo      | New York | (212)692-9292 | John124@gmail.com |
|      3 | Alex John     | Denver  | 888-426-4435  | Alex_John1@gmail.com |
+-----+-----+-----+-----+-----+
```

5. Buatlah 3 query ALTER TABLE "customer" bebas, lalu jelaskan query tersebut untuk apa. Tampilkan juga perbedaan sebelum melakukan query tersebut dan sesudah melakukan query tersebut!

1. Merubah nama tabel karena kebetulan saya typo dalam memberikan nama tabel.

```
mysql> ALTER TABLE costumer RENAME TO customer;
Query OK, 0 rows affected (0.03 sec)
```

2. Menambahkan Field baru.

```
mysql> ALTER TABLE customer ADD temp_test text;#Prames-59
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

3. Menghapus Field yang baru saja ditambahkan sebelumnya.

```
mysql> ALTER TABLE customer DROP temp_test;#Prames-59  
Query OK, 0 rows affected (0.05 sec)  
Records: 0 Duplicates: 0 Warnings: 0
```