Mulia Yuga Utama

**Tugas SQL Dasar**

#### Tugas 1: Menggunakan Perintah SELECT

1. Buatlah sebuah tabel bernama produk dengan kolom berikut: id, nama\_produk, harga, stok. (create table)
2. Masukkan setidaknya 5 data produk ke dalam tabel tersebut. (insert)
3. Tampilkan semua data dari tabel produk menggunakan perintah SELECT.
4. Tampilkan hanya nama dan harga produk yang memiliki stok lebih dari 10. (select)

MariaDB [(none)]> create database yuga\_sanbercode;

Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]> show databases;

+--------------------+

| Database |

+--------------------+

| db\_spk |

| information\_schema |

| mysql |

| new\_ahp3 |

| performance\_schema |

| phpmyadmin |

| spk-ahp |

| test |

| yuga\_sanbercode |

+--------------------+

9 rows in set (0.001 sec)

MariaDB [(none)]> use yuga\_sanbercode;

Database changed

MariaDB [yuga\_sanbercode]> create table produk(id int(10) auto\_increment primary key,nama\_produk varchar(25),harga varchar(15),stok varchar(15));

Query OK, 0 rows affected (0.012 sec)

MariaDB [yuga\_sanbercode]> insert into produk(id,nama\_produk,harga,stok)values('11','Earphone','120000','15'),('12','Air Fryer','300000','7'),('13','Antena Mini','50000','12'),('14','USB TYPE C','60000','15'),('15','USB HUB','40000','5');

Query OK, 5 rows affected (0.054 sec)

Records: 5 Duplicates: 0 Warnings: 0

MariaDB [yuga\_sanbercode]> select \* from produk;

+----+-------------+--------+------+

| id | nama\_produk | harga | stok |

+----+-------------+--------+------+

| 11 | Earphone | 120000 | 15 |

| 12 | Air Fryer | 300000 | 7 |

| 13 | Antena Mini | 50000 | 12 |

| 14 | USB TYPE C | 60000 | 15 |

| 15 | USB HUB | 40000 | 5 |

+----+-------------+--------+------+

5 rows in set (0.000 sec)

MariaDB [yuga\_sanbercode]> select nama\_produk, harga from produk where stok > 10;

+-------------+--------+

| nama\_produk | harga |

+-------------+--------+

| Earphone | 120000 |

| Antena Mini | 50000 |

| USB TYPE C | 60000 |

+-------------+--------+

3 rows in set (0.000 sec)

MariaDB [yuga\_sanbercode]>

#### Tugas 2: Menggunakan Perintah INSERT

1. Buatlah tabel bernama pelanggan dengan kolom: id, nama, alamat, telepon. (create table)
2. Tambahkan setidaknya 3 data pelanggan ke dalam tabel tersebut menggunakan perintah INSERT. (insert)
3. Tampilkan semua data dari tabel pelanggan setelah penambahan data. (select)

MariaDB [yuga\_sanbercode]> create table pelanggan(id int(10) auto\_increment primary key,nama varchar(25),alamat varchar(30),telepon int(15);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 1

MariaDB [yuga\_sanbercode]> create table pelanggan(id int(10) auto\_increment primary key,nama varchar(25),alamat varchar(30),telepon int(15));

Query OK, 0 rows affected (0.027 sec)

MariaDB [yuga\_sanbercode]> insert into pelanggan(id,nama,alamat,telepon)values('1212','Mulia Yuga','Jakarta Selatan','089664496386'),('1213','Heru','Tangerang','087895869858'),('1214','Rayyen','Jakarta','085158765823'),('1215','Hendro','Jakarta Barat','081268987987');

Query OK, 4 rows affected, 4 warnings (0.008 sec)

Records: 4 Duplicates: 0 Warnings: 4

MariaDB [yuga\_sanbercode]> select \* from pelanggan;

+------+------------+-----------------+------------+

| id | nama | alamat | telepon |

+------+------------+-----------------+------------+

| 1212 | Mulia Yuga | Jakarta Selatan | 2147483647 |

| 1213 | Heru | Tangerang | 2147483647 |

| 1214 | Rayyen | Jakarta | 2147483647 |

| 1215 | Hendro | Jakarta Barat | 2147483647 |

+------+------------+-----------------+------------+

4 rows in set (0.000 sec)

MariaDB [yuga\_sanbercode]>

#### Tugas 3: Menggunakan Perintah WHERE

1. Menggunakan tabel produk yang sudah Anda buat di Tugas 1, tampilkan produk dengan harga kurang dari 100.000. (select)
2. Tampilkan semua produk dengan nama yang dimulai dengan huruf "A". (select .... where)
3. Buatlah query yang menampilkan semua pelanggan yang alamatnya mengandung kata "Jakarta". (select ... where)

MariaDB [yuga\_sanbercode]> select \* from produk where harga < 100000;

+----+-------------+-------+------+

| id | nama\_produk | harga | stok |

+----+-------------+-------+------+

| 13 | Antena Mini | 50000 | 12 |

| 14 | USB TYPE C | 60000 | 15 |

| 15 | USB HUB | 40000 | 5 |

+----+-------------+-------+------+

3 rows in set (0.000 sec)

MariaDB [yuga\_sanbercode]> select \* from produk where nama\_produk like '%A';

Empty set (0.000 sec)

MariaDB [yuga\_sanbercode]> select \* from produk where nama\_produk like 'A%';

+----+-------------+--------+------+

| id | nama\_produk | harga | stok |

+----+-------------+--------+------+

| 12 | Air Fryer | 300000 | 7 |

| 13 | Antena Mini | 50000 | 12 |

+----+-------------+--------+------+

2 rows in set (0.000 sec)

MariaDB [yuga\_sanbercode]> select \* from pelanggan where alamat like '%Jakarta%';

+------+------------+-----------------+------------+

| id | nama | alamat | telepon |

+------+------------+-----------------+------------+

| 1212 | Mulia Yuga | Jakarta Selatan | 2147483647 |

| 1214 | Rayyen | Jakarta | 2147483647 |

| 1215 | Hendro | Jakarta Barat | 2147483647 |

+------+------------+-----------------+------------+

3 rows in set (0.000 sec)

MariaDB [yuga\_sanbercode]>

#### Tugas 4: Gabungan Penggunaan SELECT, INSERT, dan WHERE

1. Buatlah query yang menambahkan data produk baru ke tabel produk. (insert)
2. Setelah menambahkan produk baru, tampilkan semua produk yang memiliki harga di atas 200.000. (select .... where)

MariaDB [yuga\_sanbercode]> insert into produk(id,nama\_produk,harga,stok)values('16','Cooling Pad','225000','10');

Query OK, 1 row affected (0.001 sec)

MariaDB [yuga\_sanbercode]> select \* from produk where harga > 200000;

+----+-------------+--------+------+

| id | nama\_produk | harga | stok |

+----+-------------+--------+------+

| 12 | Air Fryer | 300000 | 7 |

| 16 | Cooling Pad | 225000 | 10 |

+----+-------------+--------+------+

2 rows in set (0.000 sec)

MariaDB [yuga\_sanbercode]>