Tugas 1

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1.
```
# mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 189
Server version: 10.4.24-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show databases;
+--------------------+
| Database           |
+--------------------+
| 44                 |
| a11.2021.13244     |
| akademik           |
| cobadatabase       |
| cobadb             |
| crypto             |
| db_usahaa          |
| formcrypto         |
| information_schema |
| mysql              |
| nft                |
| performance_schema |
| phpmyadmin         |
| test               |
| tugas query        |
| uts                |
| uts2               |
```

2.
```
MariaDB [(none)]> use db_usahaa
Database changed
MariaDB [db_usahaa]> desc branch;
+----------+--------------+------+-----+---------+-------+
| Field    | Type         | Null | Key | Default | Extra |
+----------+--------------+------+-----+---------+-------+
| id_cabang| varchar(5)   | NO   | PRI | NULL    |       |
| alamat   | varchar(100) | NO   |     | NULL    |       |
| kota     | varchar(50)  | NO   |     | NULL    |       |
| kodepos  | varchar(10)  | NO   |     | NULL    |       |
+----------+--------------+------+-----+---------+-------+
4 rows in set (0.005 sec)

MariaDB [db_usahaa]> desc staff;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| nip      | varchar(5)  | NO   | PRI | NULL    |       |
| nama     | varchar(50) | NO   |     | NULL    |       |
| posisi   | varchar(30) | NO   |     | NULL    |       |
| tgl_masuk| date        | NO   |     | NULL    |       |
| gaji     | int(11)     | NO   |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
5 rows in set (0.008 sec)

MariaDB [db_usahaa]>
```

3.
```
MariaDB [db_usahaa]> insert into staff (nip, nama, posisi, tgl_masuk, gaji) values ("A01", "Wahyu", "Asisten", "2014-
08-10", 5000000);
Query OK, 1 row affected (0.004 sec)

MariaDB [db_usahaa]> insert into staff (nip, nama, posisi, tgl_masuk, gaji) values ("M01", "Budi", "Manager", "1996-0
1-01", 10000000);
Query OK, 1 row affected (0.004 sec)

MariaDB [db_usahaa]> Select * from staff;
+-----+-------+------------+------------+----------+
| nip | nama  | posisi     | tgl_masuk  | gaji     |
+-----+-------+------------+------------+----------+
| A01 | Wahyu | Asisten    | 2014-08-10 | 5000000  |
| M01 | Budi  | Manager    | 1996-01-01 | 10000000 |
| S01 | Sari  | Supervisor | 2000-02-05 | 7500000  |
+-----+-------+------------+------------+----------+
3 rows in set (0.000 sec)

MariaDB [db_usahaa]>
```

4.

```
MariaDB [db_usahaa]> insert into staff (nip, nama, posisi, tgl_masuk, gaji) values ("M01", "Budi", "Manager", "1996-0
1-01", 10000000);
Query OK, 1 row affected (0.004 sec)

MariaDB [db_usahaa]> Select * from staff;
+-----+-------+------------+------------+----------+
| nip | nama  | posisi     | tgl_masuk  | gaji     |
+-----+-------+------------+------------+----------+
| A01 | Wahyu | Asisten    | 2014-08-10 | 5000000  |
| M01 | Budi  | Manager    | 1996-01-01 | 10000000 |
| S01 | Sari  | Supervisor | 2000-02-05 | 7500000  |
+-----+-------+------------+------------+----------+
3 rows in set (0.000 sec)

MariaDB [db_usahaa]> insert into branch (id_cabang, alamat, kota, kodepos) values ("B001", "Imam bonjol", "Semarang",
 50131);
Query OK, 1 row affected (0.004 sec)

MariaDB [db_usahaa]> select * from branch;
+-----------+-------------+------------+---------+
| id_cabang | alamat      | kota       | kodepos |
+-----------+-------------+------------+---------+
| B001      | Imam bonjol | Semarang   | 50131   |
| B002      | Laweyan     | Solo       | 57148   |
| B003      | Kaliurang   | Yogyakarta | 56483   |
+-----------+-------------+------------+---------+
3 rows in set (0.000 sec)

MariaDB [db_usahaa]> _
```

Soal

1.

```
MariaDB [db_usahaa]> select
    -> nip,
    -> nama,
    -> posisi,
    -> format(gaji,0) as gaji,
    -> format(gaji*12,0) as gaji_per_tahun
    -> from staff;
+-----+-------+------------+------------+----------------+
| nip | nama  | posisi     | gaji       | gaji_per_tahun |
+-----+-------+------------+------------+----------------+
| A01 | Wahyu | Asisten    | 5,000,000  | 60,000,000     |
| M01 | Budi  | Manager    | 10,000,000 | 120,000,000    |
| S01 | Sari  | Supervisor | 7,500,000  | 90,000,000     |
+-----+-------+------------+------------+----------------+
3 rows in set (0.000 sec)

MariaDB [db_usahaa]> _
```

2.

```
MariaDB [db_usahaa]> select
    -> nip,
    -> nama,
    -> posisi,
    -> format(gaji,0) as gaji,
    -> format(gaji*12,0) as gaji_per_tahun,
    -> format(gaji*0.2,0) as tunjangan
    -> from staff;
+-----+-------+------------+------------+----------------+-----------+
| nip | nama  | posisi     | gaji       | gaji_per_tahun | tunjangan |
+-----+-------+------------+------------+----------------+-----------+
| A01 | Wahyu | Asisten    | 5,000,000  | 60,000,000     | 1,000,000 |
| M01 | Budi  | Manager    | 10,000,000 | 120,000,000    | 2,000,000 |
| S01 | Sari  | Supervisor | 7,500,000  | 90,000,000     | 1,500,000 |
+-----+-------+------------+------------+----------------+-----------+
3 rows in set (0.000 sec)

MariaDB [db_usahaa]> Z_
```

3.

```
MariaDB [db_usahaa]> select
    -> nip,
    -> nama,
    -> posisi,
    -> format(gaji,0) as gaji,
    -> format(gaji*12,0) as gaji_per_tahun,
    -> format(gaji*0.2,0) as tunjangan,
    -> format(gaji+(gaji*0.2),0) as total_gaji
    -> from staff;
+-----+-------+------------+------------+----------------+-----------+------------+
| nip | nama  | posisi     | gaji       | gaji_per_tahun | tunjangan | total_gaji |
+-----+-------+------------+------------+----------------+-----------+------------+
| A01 | Wahyu | Asisten    | 5,000,000  | 60,000,000     | 1,000,000 | 6,000,000  |
| M01 | Budi  | Manager    | 10,000,000 | 120,000,000    | 2,000,000 | 12,000,000 |
| S01 | Sari  | Supervisor | 7,500,000  | 90,000,000     | 1,500,000 | 9,000,000  |
+-----+-------+------------+------------+----------------+-----------+------------+
3 rows in set (0.000 sec)

MariaDB [db_usahaa]> X
```

4.
```
MariaDB [db_usahaa]> select
    -> nip,
    -> nama,
    -> posisi,
    -> format(gaji,0) as gaji,
    -> format(gaji*12,0) as gaji_per_tahun,
    -> format(gaji*0.2,0) as tunjangan,
    -> format(gaji+(gaji*0.2),0) as total_gaji,
    -> year(curdate())-year(tgl_masuk) as masa_kerja
    -> from staff;
+-----+-------+------------+------------+----------------+-----------+------------+------------+
| nip | nama  | posisi     | gaji       | gaji_per_tahun | tunjangan | total_gaji | masa_kerja |
+-----+-------+------------+------------+----------------+-----------+------------+------------+
| A01 | Wahyu | Asisten    | 5,000,000  | 60,000,000     | 1,000,000 | 6,000,000  |          8 |
| M01 | Budi  | Manager    | 10,000,000 | 120,000,000    | 2,000,000 | 12,000,000 |         26 |
| S01 | Sari  | Supervisor | 7,500,000  | 90,000,000     | 1,500,000 | 9,000,000  |         22 |
+-----+-------+------------+------------+----------------+-----------+------------+------------+
3 rows in set (0.002 sec)

MariaDB [db_usahaa]> Z
```

5.
```
MariaDB [db_usahaa]> select
    -> nip,
    -> nama from staff where posisi='manager';
+-----+------+
| nip | nama |
+-----+------+
| M01 | Budi |
+-----+------+
1 row in set (0.000 sec)

MariaDB [db_usahaa]>
```

6.
```
MariaDB [db_usahaa]> select
    -> nip,
    -> nama from staff where gaji*0.2 > 500000;
+-----+-------+
| nip | nama  |
+-----+-------+
| A01 | Wahyu |
| M01 | Budi  |
| S01 | Sari  |
+-----+-------+
3 rows in set (0.001 sec)

MariaDB [db_usahaa]>
```

7.
```
MariaDB [db_usahaa]> select nip,
    -> nama from staff where posisi !='manager';
+-----+-------+
| nip | nama  |
+-----+-------+
| A01 | Wahyu |
| S01 | Sari  |
+-----+-------+
2 rows in set (0.000 sec)

MariaDB [db_usahaa]> X
```

8.

```
MariaDB [db_usahaa]> select
    -> nip,
    -> nama from staff where posisi ='manager' or posisi='supervisor';
+-----+------+
| nip | nama |
+-----+------+
| M01 | Budi |
| S01 | Sari |
+-----+------+
2 rows in set (0.000 sec)
```

9.

```
MariaDB [db_usahaa]> select
    -> nip,
    -> nama from staff where posisi='Asisten' and year(curdate())-year(tgl_masuk) >=8;
+-----+-------+
| nip | nama  |
+-----+-------+
| A01 | Wahyu |
+-----+-------+
1 row in set (0.003 sec)

MariaDB [db_usahaa]> _
```

10.

```
MariaDB [db_usahaa]> select
    -> nip,
    -> nama from staff where gaji !=1000000;
+-----+-------+
| nip | nama  |
+-----+-------+
| A01 | Wahyu |
| M01 | Budi  |
| S01 | Sari  |
+-----+-------+
3 rows in set (0.000 sec)

MariaDB [db_usahaa]>
```