

Nama : Ahmad Maulana Yassin
NIM : 2210512043
Kelas : A S1 Sistem Informasi

LKP 11

1. Buatlah sebuah database dengan nama: dbperusahaan!

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

2. Buatlah tabel karyawan dengan struktur seperti berikut:

```
[MariaDB [dbperusahaan]> create table karyawan(  
[    -> NIP CHAR(4) NOT NULL DEFAULT'',  
[    -> NAMA VARCHAR(20),  
[    -> ALAMAT VARCHAR(20),  
[    -> KDJABATAN CHAR(4),  
[    -> GAJI INT(10) NOT NULL DEFAULT'0'  
[    -> ,PRIMARY KEY (NIP)  
[    -> );  
Query OK, 0 rows affected (0.029 sec)
```

```
[MariaDB [dbperusahaan]> desc karyawan;
```

Field	Type	Null	Key	Default	Extra
NIP	char(4)	NO	PRI		
NAMA	varchar(20)	YES		NULL	
ALAMAT	varchar(20)	YES		NULL	
KDJABATAN	char(4)	YES		NULL	
GAJI	int(10)	NO		0	

5 rows in set (0.006 sec)

3. Buatlah tabel jabatan dengan struktur seperti berikut:

```
[MariaDB [dbperusahaan]> create table jabatan(  
[    -> KDJABATAN CHAR(4) NOT NULL DEFAULT'',  
[    -> JABATAN VARCHAR(20) NULL,  
[    -> PRIMARY KEY(KDJABATAN)  
[    -> );
```

Query OK, 0 rows affected (0.031 sec)

```
[MariaDB [dbperusahaan]> DESC JABATAN;
```

Field	Type	Null	Key	Default	Extra
KDJABATAN	char(4)	NO	PRI		
JABATAN	varchar(20)	YES		NULL	

2 rows in set (0.005 sec)

4. Buatlah tabel gaji dengan struktur seperti berikut:

```
[MariaDB [dbperusahaan]> create table gaji(
  -> KDJABATAN CHAR(4));
Query OK, 0 rows affected (0.027 sec)
```

```
[MariaDB [dbperusahaan]> desc gaji;
```

Field	Type	Null	Key	Default	Extra
KDJABATAN	char(4)	YES		NULL	

1 row in set (0.006 sec)

5. Isilah record tabel karyawan sehingga tampilan seperti ini!

```
[MariaDB [dbperusahaan]> insert into karyawan(
  -> VALUES('P001', 'DODI ILHAM', 'JL.MERDEKA NO.203', 'J01', 0),
  -> ('P002', 'IRAWAN SANTOSO', 'JL.A.YANI NO.12', 'J02', 0),
  -> ('P003', 'BAMBANG SUJATMIKO', 'JL.BASUKI RAHMAT NO.', 'J04', 0),
  -> ('P004', 'INDAH PERMATA SARI', 'JL.MAY SABARANO.445', 'J03', 0),
  -> ('P005', 'JENNY RENIRIA', 'JL.ANGKATAN 45 NO.32', 'J05', 0));
Query OK, 5 rows affected (0.004 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
[MariaDB [dbperusahaan]> SELECT * FROM KARYAWAN;
```

NIP	NAMA	ALAMAT	KDJABATAN	GAJI
P001	DODI ILHAM	JL.MERDEKA NO.203	J01	0
P002	IRAWAN SANTOSO	JL.A.YANI NO.12	J02	0
P003	BAMBANG SUJATMIKO	JL.BASUKI RAHMAT NO.	J04	0
P004	INDAH PERMATA SARI	JL.MAY SABARANO.445	J03	0
P005	JENNY RENIRIA	JL.ANGKATAN 45 NO.32	J05	0

5 rows in set (0.006 sec)

6. Isilah record tabel jabatan sehingga tampilannya seperti ini!

```
[MariaDB [dbperusahaan]> INSERT INTO JABATAN(
  -> VALUES('J01', 'DIREKTUR'),
  -> ('J02', 'WAKIL DIREKTUR'),
  -> ('J03', 'SEKRETARIS'),
  -> ('J04', 'STAFF PERSONALIA'),
  -> ('J05', 'STAFF ADMINISTRASI'));
Query OK, 5 rows affected (0.005 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
[MariaDB [dbperusahaan]> select * from jabatan;
```

KDJABATAN	JABATAN
J01	DIREKTUR
J02	WAKIL DIREKTUR
J03	SEKRETARIS
J04	STAFF PERSONALIA
J05	STAFF ADMINISTRASI

5 rows in set (0.002 sec)

7. Isilah record tabel gaji sehingga tampilannya seperti ini!

```
[MariaDB [dbperusahaan]> ALTER TABLE GAJI ADD GAJI_KARYAWAN INT(15);
Query OK, 0 rows affected (0.032 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
[MariaDB [dbperusahaan]> insert into gaji(
-> values('J01', 10000000),
-> ('J02', 8000000),
-> ('J03', 5000000),
-> ('J04', 3000000),
-> ('J05', 2500000));
```

```
Query OK, 5 rows affected (0.004 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
[MariaDB [dbperusahaan]> SELECT * FROM GAJI;
```

KDJABATAN	GAJI_KARYAWAN
J01	10000000
J02	8000000
J03	5000000
J04	3000000
J05	2500000

```
5 rows in set (0.001 sec)
```

8. Buatlah view yang menampilkan maksimum gaji karyawan seperti ini!

```
[MariaDB [dbperusahaan]> create view GAJITERTINGGI as select max(GAJI_KARYAWAN) as GAJI_TERTINGGI from GAJI;
Query OK, 0 rows affected (0.033 sec)
```

```
[MariaDB [dbperusahaan]> select * from gajitertinggi;
```

GAJI_TERTINGGI
10000000

```
1 row in set (0.006 sec)
```

9. Buatlah view yang menampilkan minimal gaji karyawan!

```
[MariaDB [dbperusahaan]> create view GAJITERKECIL as select min(GAJI_KARYAWAN) as GAJI_TERKECIL from GAJI;
Query OK, 0 rows affected (0.021 sec)
```

```
[MariaDB [dbperusahaan]> select * from gajiterkecil;
```

GAJI_TERKECIL
2500000

```
1 row in set (0.003 sec)
```

10. Buatlah view yang menampilkan jumlah gaji karyawan!

```
[MariaDB [dbperusahaan]> create view JUMLAHGAJI as select sum(GAJI_KARYAWAN) as TOTAL_GAJI from GAJI;
Query OK, 0 rows affected (0.022 sec)
```

```
[MariaDB [dbperusahaan]> select * from jumlahgaji;
```

TOTAL_GAJI
28500000

```
1 row in set (0.004 sec)
```

11. Buatlah view yang menampilkan rata-rata gaji karyawan!

```
[MariaDB [dbperusahaan]> create view RATARATA as select avg(GAJI_KARYAWAN) RATA2_GAJI from GAJI;  
Query OK, 0 rows affected (0.022 sec)
```

```
[MariaDB [dbperusahaan]> select * from RATARATA;
```

```
+-----+  
| RATA2_GAJI |  
+-----+  
| 5700000.0000 |  
+-----+
```

```
1 row in set (0.004 sec)
```