

TEORI BASIS DATA

Dosen Pengajar : Bapak Farid Angga Pribadi, S.Kom.,
M.Kom



Nama : Surya Rahmat Fatahillah

NIM : 2341760020

Prodi : Sistem Informasi Bisnis

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SOAL!

Database : Data Pegawai

TABEL PROYEK

<i>No</i> proyek	NamaProyek
NP001	BRR
NP002	PEMDA

TABEL PEGAWAI

<i>No</i> pegawai	NamaPegawai	Golongan
Peg01	Anton	A
Peg02	Paula	B
Peg06	<u>Koko</u>	C
Peg12	<u>Sita</u>	B
Peg14	<u>Yusni</u>	B

TABEL PROYEKPEGAWAI

<i>No</i> proyek	<i>No</i> Pegawai
NP001	Peg01
NP001	Peg02
NP001	Peg06
NP002	Peg01
NP002	Peg12
NP002	Peg14

TABEL GOLONGAN

Golongan	BesarGaji
A	1.000.000
B	900.000
C	750.000

Tuliskan perintah apa saja yang digunakan dalam pembuatan Database; data Pegawai!

JAWABAN!

Berikut merupakan urutan perintah yang digunakan dalam pembuatan Database data Pegawai!

Langkah 1:

- mysql -u root -p

```
Setting environment for using XAMPP for Windows.  
ASUS PC@DESKTOP-VDHPPPR c:\xampp  
# mysql -u root -p  
Enter password:  
Welcome to the MariaDB monitor.  Commands end with ; or \g.  
Your MariaDB connection id is 10  
Server version: 10.4.32-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.
```

Langkah 2:

- create database Data_Pegawai;

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

Langkah 3:

- use Data_Pegawai;

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

Langkah 4:

- create table proyek (

no_proyek varchar (10) not null primary key,

nama_proyek varchar (10) not null,

constraint no_proyek_format check (no_proyek like 'NP%'));

```
MariaDB [data_pegawai]> create table proyek(  
-> no_proyek varchar (10) not null primary key,  
-> nama_proyek varchar (10) not null,  
-> constraint no_proyek_format check (no_proyek like 'NP%'));  
Query OK, 0 rows affected (0.052 sec)
```

Langkah 5:

- create table golongan (
golongan varchar (1) not null primary key,
besar_gaji varchar(10) not null);

```
MariaDB [data_pegawaii]> create table golongan(  
-> golongan varchar (1) not null primary key,  
-> besar_gaji varchar(10) not null);  
Query OK, 0 rows affected (0.022 sec)
```

Langkah 6:

- create table pegawai (
no_pegawai varchar (10) not null primary key,
nama_pegawai varchar (50) not null,
golongan varchar (1) not null,
constraint no_pegawai_format check (no_pegawai like 'Peg%'),
foreign key (golongan) references golongan(golongan));

```
MariaDB [data_pegawaii]> create table pegawai(  
-> no_pegawai varchar (10) not null primary key,  
-> nama_pegawai varchar (50) not null,  
-> golongan varchar (1) not null,  
-> constraint no_pegawai_format check (no_pegawai like 'Peg%'),  
-> foreign key (golongan) references golongan(golongan));  
Query OK, 0 rows affected (0.083 sec)
```

Langkah 7:

- create table proyek_pegawai (
no_proyek varchar (10) not null,
no_pegawai varchar (10) not null,
foreign key (no_proyek) references proyek(no_proyek),
foreign key (no_pegawai) references pegawai(no_pegawai));

```
MariaDB [data_pegawaii]> create table proyek_pegawai(  
-> no_proyek varchar (10) not null,  
-> no_pegawai varchar (10) not null,  
-> foreign key (no_proyek) references proyek(no_proyek),  
-> foreign key (no_pegawai) references pegawai(no_pegawai));  
Query OK, 0 rows affected (0.076 sec)
```

Langkah 8:

- show tables;

```
MariaDB [data_pegawaii]> show tables;
+-----+
| Tables_in_data_pegawaii |
+-----+
| golongan                 |
| pegawai                 |
| proyek                 |
| proyek_pegawai          |
+-----+
4 rows in set (0.001 sec)
```

Langkah 9:

- insert into golongan(golongan, besar_gaji)

-> value

-> ('A', '1.000.000'),

-> ('B', '900.000'),

-> ('C', '750.000');

```
MariaDB [data_pegawaii]> insert into golongan(golongan, besar_gaji)
-> value
-> ('A', '1.000.000'),
-> ('B', '900.000'),
-> ('C', '750.000');
Query OK, 3 rows affected (0.052 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

Langkah 10:

- insert into pegawai(no_pegawai, nama_pegawai, golongan)

-> value

-> ('Peg01', 'Anton', 'A'),

-> ('Peg02', 'Paula', 'B'),

-> ('Peg06', 'Koko', 'C'),

-> ('Peg12', 'Sita', 'B'),

-> ('Peg14', 'Yusni', 'B');

```
MariaDB [data_pegawaii]> insert into pegawai(no_pegawai, nama_pegawai, golongan)
-> value
-> ('Peg01', 'Anton', 'A'),
-> ('Peg02', 'Paula', 'B'),
-> ('Peg06', 'Koko', 'C'),
-> ('Peg12', 'Sita', 'B'),
-> ('Peg14', 'Yusni', 'B');
Query OK, 5 rows affected (0.020 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

Langkah 11:

- insert into proyek(no_proyek, nama_proyek)

-> value

-> ('NP001', 'BRR'),

-> ('NP002', 'PEMDA');

```
MariaDB [data_pegawaii]> insert into proyek(no_proyek, nama_proyek)
-> value
-> ('NP001', 'BRR'),
-> ('NP002', 'PEMDA');
Query OK, 2 rows affected (0.044 sec)
Records: 2 Duplicates: 0 Warnings: 0
```

Langkah 12:

- insert into proyek_pegawai(no_proyek, no_pegawai)

-> value

-> ('NP001', 'Peg01'),

-> ('NP001', 'Peg02'),

-> ('NP001', 'Peg06'),

-> ('NP002', 'Peg01'),

-> ('NP002', 'Peg12'),

-> ('NP002', 'Peg14');

```
MariaDB [data_pegawaii]> insert into proyek_pegawai(no_proyek, no_pegawai)
-> value
-> ('NP001', 'Peg01'),
-> ('NP001', 'Peg02'),
-> ('NP001', 'Peg06'),
-> ('NP002', 'Peg12'),
-> ('NP002', 'Peg14');
Query OK, 5 rows affected (0.044 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

Langkah 13:

- select* from golongan;
- select* from proyek;
- select* from pegawai;
- select* from proyek_pegawai;

```
MariaDB [data_pegawaii]> select* from golongan;
+-----+-----+
| golongan | besar_gaji |
+-----+-----+
| A        | 1.000.000  |
| B        | 900.000    |
| C        | 750.000    |
+-----+-----+
3 rows in set (0.001 sec)

MariaDB [data_pegawaii]> select* from proyek;
+-----+-----+
| no_proyek | nama_proyek |
+-----+-----+
| NP001     | BRR         |
| NP002     | PEMDA       |
+-----+-----+
2 rows in set (0.001 sec)

MariaDB [data_pegawaii]> select* from pegawai;
+-----+-----+-----+
| no_pegawai | nama_pegawai | golongan |
+-----+-----+-----+
| Peg01      | Anton        | A        |
| Peg02      | Paula        | B        |
| Peg06      | Koko          | C        |
| Peg12      | Sita         | B        |
| Peg14      | Yusni        | B        |
+-----+-----+-----+
5 rows in set (0.001 sec)

MariaDB [data_pegawaii]> select* from proyek_pegawai;
+-----+-----+
| no_proyek | no_pegawai |
+-----+-----+
| NP001     | Peg01      |
| NP001     | Peg02      |
| NP001     | Peg06      |
| NP002     | Peg12      |
| NP002     | Peg14      |
+-----+-----+
5 rows in set (0.001 sec)
```