

**LAPORAN PRAKTIKUM  
SISTEM DAN TEKNOLOGI BASIS DATA**

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## Pertanyaan dan Tugas

1. Berdasarkan hasil tugas pada Modul 5 mengenai sistem Penggajian, maka buatlah Database, Table beserta Atributnya (Minimal 5 Atribut) !

a) Buat Table

```
CREATE TABLE TBGaji (
```

```
    No_Slip VARCHAR(10) PRIMARY KEY,
```

```
    Gaji_Bersih INT,
```

```
    NIP VARCHAR(9),
```

```
);
```

```
CREATE TABLE TBJabatan (
```

```
    ID_Jabatan VARCHAR(3) PRIMARY KEY,
```

```
    Nama_Jabatan VARCHAR(32),
```

```
    Gaji_Pokok DECIMAL(10, 2),
```

```
    Tunjangan DECIMAL(10, 2)
```

```
);
```

```
CREATE TABLE TBGolongan (
```

```
    ID_Golongan VARCHAR(5) PRIMARY KEY,
```

```
    Jam_Kerja INT,
```

```
    Uang_Lembur INT
```

```
);
```

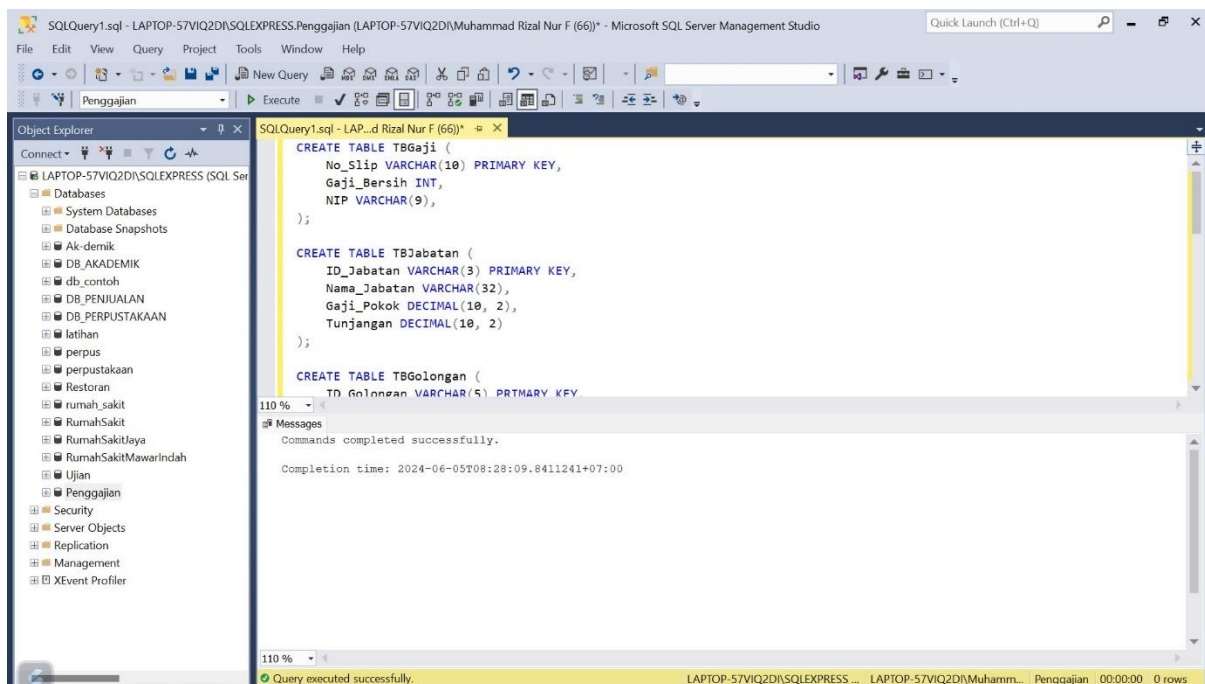
```
CREATE TABLE TBDetailGaji (
```

```
    No_Slip VARCHAR(10),
```

```
    Jumlah INT,
```

);

```
CREATE TABLE TBpegawai (  
  
    NIP VARCHAR(9) PRIMARY KEY,  
  
    Nama VARCHAR(32),  
  
    Jenis_Kelamin VARCHAR(15),  
  
    ID_Jabatan VARCHAR(3),  
  
    ID_Golongan VARCHAR(5),  
  
);
```



## b) Merelasikan Table

```
ALTER TABLE TBGaji
```

```
ADD CONSTRAINT FK_TBGAJI_NIP FOREIGN KEY (NIP) REFERENCES  
TBpegawai(NIP);
```

```
ALTER TABLE TBDetailGaji
```

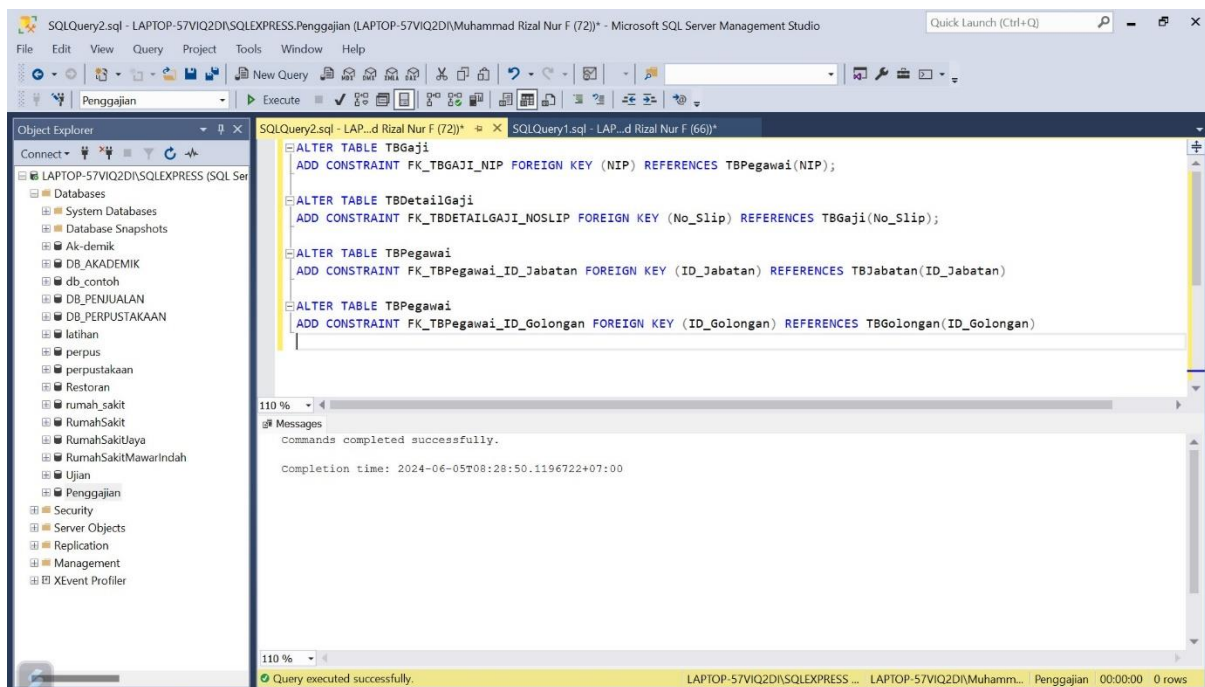
```
ADD CONSTRAINT FK_TBDETAILGAJI_NOSLIP FOREIGN KEY (No_Slip)
REFERENCES TBGaji(No_Slip);
```

```
ALTER TABLE TBpegawai
```

```
ADD CONSTRAINT FK_TBpegawai_ID_Jabatan FOREIGN KEY (ID_Jabatan)
REFERENCES TBjabatan(ID_Jabatan)
```

```
ALTER TABLE TBpegawai
```

```
ADD CONSTRAINT FK_TBpegawai_ID_Golongan FOREIGN KEY (ID_Golongan)
REFERENCES TBgolongan(ID_Golongan)
```



c) Mengisi semua table

```
INSERT INTO TBjabatan (ID_Jabatan, Nama_Jabatan, Gaji_Pokok, Tunjangan) VALUES
('001', 'Manager', 15000000, 3000000),
('002', 'Supervisor', 10000000, 2000000),
('003', 'Staff', 8000000, 2000000),
('004', 'Karyawan Tetap', 6000000, 900000),
('005', 'Karyawan Kontrak', 6000000, 800000);
```

```
INSERT INTO TBGolongan (ID_Golongan, Jam_Kerja, Uang_Lembur) VALUES
```

```
('A', 8, 60000),
```

```
('B', 7, 50000),
```

```
('C', 6, 40000),
```

```
('D', 5, 30000),
```

```
('E', 4, 20000);
```

```
INSERT INTO TBPegawai (NIP, Nama, Jenis_Kelamin, ID_Jabatan, ID_Golongan)  
VALUES
```

```
('NIP001', 'Rizal ', 'Laki-laki', '001', 'A'),
```

```
('NIP002', 'Ros', 'Perempuan', '002', 'B'),
```

```
('NIP003', 'Nisa', 'Perempuan', '003', 'C'),
```

```
('NIP004', 'Crawasy', 'Laki-laki', '004', 'D'),
```

```
('NIP005', 'Senaka', 'Perempuan', '005', 'E');
```

```
INSERT INTO TBGaji (No_Slip, Gaji_Bersih, NIP) VALUES
```

```
('001', 6000000, 'NIP001'),
```

```
('002', 6500000, 'NIP002'),
```

```
('003', 7000000, 'NIP003'),
```

```
('004', 6500000, 'NIP004'),
```

```
('005', 6000000, 'NIP005');
```

```
INSERT INTO TBDetailGaji (No_Slip, Jumlah) VALUES
```

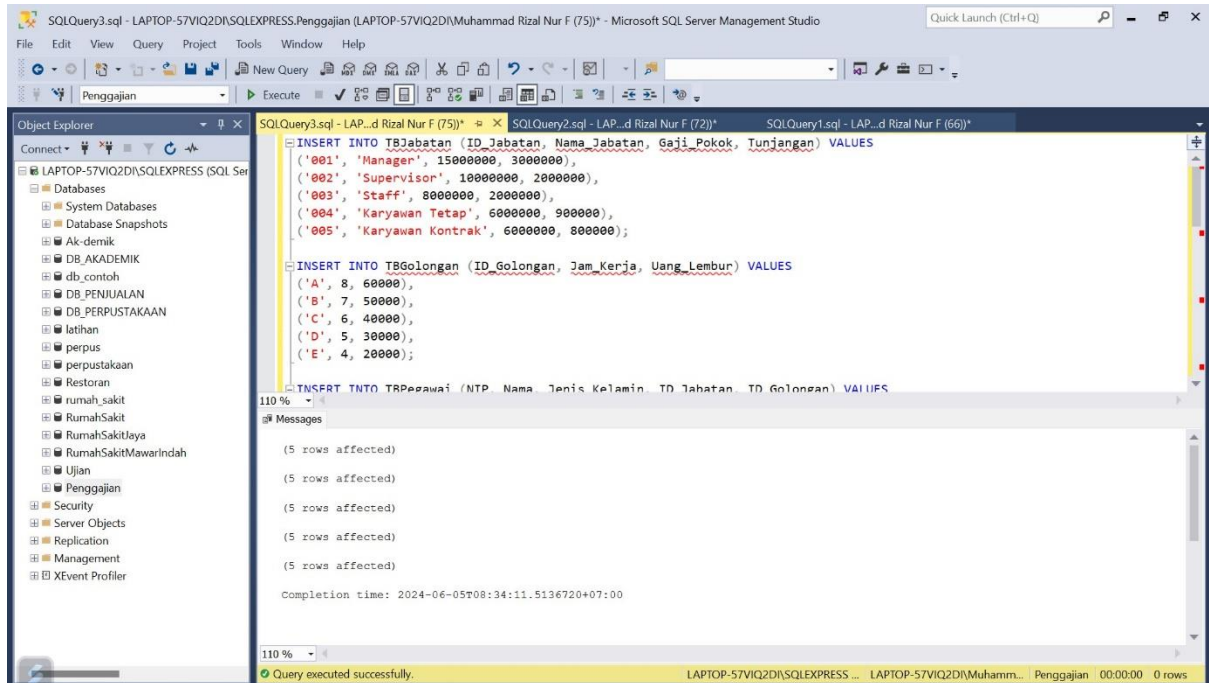
```
('001', 6000000),
```

```
('002', 6500000),
```

('003', 7000000),

('004', 6500000),

('005', 6000000);



d) Menampilkan Table

SELECT \* FROM TBGaji;

SELECT \* FROM TBJabatan;

SELECT \* FROM TBGolongan;

SELECT \* FROM TBDetailGaji;

SELECT \* FROM TBPegawai;

SQLQuery4.sql - LAPTOP-57VIQ2D\SQLEXPRESS.Penggajian (LAPTOP-57VIQ2D\Muhammad Rizal Nur F (54)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Object Explorer

Connect +

LAPTOP-57VIQ2D\SQLEXPRESS (SQL Ser

Databases

System Databases

Database Snapshots

Ak-demik

DB\_AKADEMIK

db\_contoh

DB\_PENJUALAN

DB\_PERPUSTAKAAN

latihan

perpus

perpustakaan

Restoran

rumah\_sakit

RumahSakit

RumahSakitLaya

RumahSakitMawarindah

Ujian

Penggajian

Security

Server Objects

Replication

Management

XEvent Profiler

SQLQuery4.sql - LAP...d Rizal Nur F (54)\*

SQLQuery3.sql - LAP...d Rizal Nur F (75)\*

SQLQuery2.sql - LAP...d Rizal Nur F (72)\*

Results Messages

110 %

No_Slip	Gaji_Bersih	NIP
001	6000000	NIP001
002	6500000	NIP002
003	7000000	NIP003
004	6500000	NIP004
005	6000000	NIP005

ID_Jabatan	Nama_Jabatan	Gaji_Pokok	Tunjangan
001	Manager	15000000.00	3000000.00
002	Supervisor	10000000.00	2000000.00
003	Staff	8000000.00	2000000.00
004	Karyawan Tetap	6000000.00	900000.00
005	Karyawan Kontrak	6000000.00	800000.00

ID_Golongan	Jam_Kerja	Uang_Lembur
A	8	60000
B	7	50000
C	6	40000
D	5	30000
E	4	20000

No_Slip	Jumlah
001	6000000
002	6500000
003	7000000
004	6500000
005	6000000

NIP	Nama	Jenis_Kelamin	ID_Jabatan	ID_Golongan
NIP001	Rizal	Laki-laki	001	A
NIP002	Ros	Perempuan	002	B
NIP003	Nisa	Perempuan	003	C
NIP004	Cra...	Laki-laki	004	D
NIP005	San...	Perempuan	005	E

Query executed successfully. LAPTOP-57VIQ2D\SQLEXPRESS ... LAPTOP-57VIQ2D\Muhamm... Penggajian 00:00:00 25 rows

e) Gambar diagram

