

# RELASI TABEL DENGAN CONSTRAINT UNTUK UPDATE DAN DELETE CASCADE

```
mysql> CREATE DATABASE CONST_NEW;  
Query OK, 1 row affected (0.02 sec)
```

```
mysql> USE CONST_NEW;  
Database changed
```

A	DIREKTUR	2000000
B	STAFF	1500000
C	MANDOR	1250000

```
mysql> Create table gaji (gol varchar(1) not null primary key,  
Jabatan varchar(20) not null, gaji int(11)) engine=innodb;
```

```
mysql> Create table Pegawai (nip char(6), Nama_peg varchar(20),  
gol varchar(1) not null, Key_hubung (gol),  
constraint_hubung foreign key (gol) references gaji (gol)  
on delete cascade on update cascade) engine=innodb;
```

051223	HENDRA	A
060917	BUDI	B
060918	SRI	B

```
mysql> show table status from CONST_NEW \G
```

```
***** 1. row *****
```

```
Name: gaji  
Engine: innodb  
Version: 10  
Row_format: Dynamic  
Rows: 0  
Avg_row_length: 0  
Data_length: 0  
Max_data_length: 281474976710655  
Index_length: 1024  
Data_free: 0  
Auto_increment: NULL  
Create_time: 2009-11-12 14:15:07  
Update_time: 2009-11-12 14:15:07  
Check_time: NULL  
Collation: latin1_swedish_ci  
Checksum: NULL  
Create_options:  
Comment:
```

```
***** 2. row *****
```

```
Name: pegawai  
Engine: innodb  
Version: 10  
Row_format: Dynamic  
Rows: 0  
Avg_row_length: 0  
Data_length: 0  
Max_data_length: 281474976710655  
Index_length: 1024  
Data_free: 0
```

Auto\_increment: NULL  
 Create\_time: 2009-11-12 14:15:19  
 Update\_time: 2009-11-12 14:15:19  
 Check\_time: NULL  
 Collation: latin1\_swedish\_ci  
 Checksum: NULL  
 Create\_options:  
 Comment:  
 2 rows in set (0.00 sec)

mysql> SHOW TABLES;

```

+-----+
| Tables_in_isz |
+-----+
| gaji          |
| pegawai      |
+-----+
  
```

mysql> DESC GAJI;

```

+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| GOL   | varchar(1)    | NO   | PRI | NULL    |       |
| JABATAN | varchar(20)  | NO   |     | NULL    |       |
| GAJI  | int(11)       | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
  
```

mysql> DESC PEGAWAI;

```

+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| NIP   | char(6)       | NO   | PRI | NULL    |       |
| NAMA_PEG | varchar(20)  | NO   |     | NULL    |       |
| GOL   | varchar(1)    | NO   | MUL | NULL    |       |
+-----+-----+-----+-----+-----+-----+
  
```

INSERT INTO GAJI VALUES ('A', 'DIREKTUR', 2000000), ('B', 'STAFF', 1500000), ('C', 'MANDOR', 1250000);

mysql> select \* from gaji;

```

+-----+-----+-----+
| GOL | JABATAN | GAJI |
+-----+-----+-----+
| A   | DIREKTUR | 2000000 |
| B   | STAFF    | 1500000 |
| C   | MANDOR   | 1250000 |
+-----+-----+-----+
  
```

INSERT INTO PEGAWAI VALUES ('051223', 'HENDRA', 'A'), ('060917', 'BUDI', 'B'), ('060918', 'SRI', 'B');

mysql> select \* from pegawai;

```

+-----+-----+-----+
| NIP   | NAMA_PEG | GOL |
+-----+-----+-----+
  
```

```

+-----+-----+-----+
| 051223 | HENDRA | A |
| 060917 | BUDI   | B |
| 060918 | SRI    | B |
+-----+-----+-----+

```

```
mysql> select nip,nama_peg,pegawai.gol,jabatan,gaji
        from pegawai,gaji where pegawai.gol=gaji.gol;
```

```

+-----+-----+-----+-----+-----+
| nip      | nama_peg | gol | jabatan | gaji      |
+-----+-----+-----+-----+-----+
| 051223   | HENDRA   | A   | DIREKTUR| 2000000   |
| 060917   | BUDI     | B   | STAFF   | 1500000   |
| 060918   | SRI      | B   | STAFF   | 1500000   |
+-----+-----+-----+-----+-----+

```

3 rows in set (0.00 sec)

- Tambahkan record baru pada tabel pegawai Dengan data :  
"060919","UMMI KALSUM","F" bagaimana komentarnya.

```
INSERT INTO PEGAWAI VALUES ('060919','UMMI KALSUM','F');
```

- JIKA gagal ulangi perintah tadi ganti gol F menjadi C (Tambahkan record baru pada tabel pegawai Dengan data : "060919","UMMI KALSUM","C") bagaimana komentarnya.

```
INSERT INTO PEGAWAI VALUES ('060919','UMMI KALSUM','C');
```

- Gantilah gol pada tabel gaji dari **B** menjadi **Z**, lalu tampilkan seluruh data dari tabel **gaji** dan **pegawai**.

```
UPDATE GAJI SET GOL='Z' WHERE GOL='B';
select nip,nama_peg,pegawai.gol,jabatan,gaji
from pegawai,gaji where pegawai.gol=gaji.gol;
```

- Hapuslah data dari tabel gaji yang golongannya **C**, apa yang terjadi pada tabel **Gaji** dan **Pegawai**.

```
Delete from gaji where gol='C';
select nip,nama_peg,pegawai.gol,jabatan,gaji
from pegawai,gaji where pegawai.gol=gaji.gol;
```

- Hapus tabel gaji dengan perintah Drop Table, apa komentarnya ?

```
DROP TABLE GAJI;
```

- Buat tabel baru dengan nama **Gaji1** yang sumbernya dari tabel **Gaji**

```
Create table Gaji1 select * from gaji;
```

- Buat tabel baru dengan nama **Pegawai1** yang sumbernya dari tabel **Pegawai**

```
Create table Pegawai1 select * from Pegawai;
```

- Hapus lah tabel **Gaji** lalu tabel **Pegawai**

```
Drop table gaji;
```

- Ganti nama tabel **gaji1** dan **pegawai1** menjadi **Gaji** dan **Pegawai**.