## Tugas Konsli

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Kelas / Absen: XI RPL 2 / 14

#### 1. Membuat database

```
mysql> create database tugas;
Query OK, 1 row affected (0.01 sec)
```

### 2. Memilih database

```
mysql> use tugas;
Database changed
```

### 3. Membuat tabel Penduduk

```
mysql> create table Penduduk (
    -> NIK int not null primary key,
    -> Nama text not null,
    -> Tgl_Lahir date not null,
    -> Thn_Lahir year not null,
    -> RT int not null,
    -> RW int not null,
    -> Id_Desa int not null,
    -> Kecamatan text not null,
    -> Alamat text not null
    -> );
Query OK, 0 rows affected (0.02 sec)
mysql> desc Penduduk;
            | Type | Null | Key | Default | Extra
 NIK
                            PRI
             int
                     NO
                                  NULL
 Nama
             text
                     NO
                                  NULL
 Tgl_Lahir | date |
                     NO
                                  NULL
 Thn_Lahir
                     NO
              year
                                  NULL
  RT
              int
                     NO
                                  NULL
  RW
             int
                     NO
                                  NULL
            int
  Id_Desa
                     NO
                                  NULL
 Kecamatan
             text
                     NO
                                  NULL
 Alamat
             text
                     NO
                                  NULL
9 rows in set (0.00 sec)
```

## 4. Membuat tabel Surat Permohonan

```
mysql> create table Surat_Permohonan (
    -> Id_Surat_Mohon int not null primary key,
    -> NIK int not null,
    -> Id_Desa int not null,
-> Tanggal date not null,
    -> Keterangan text not null
-> );
Query OK, 0 rows affected (0.02 sec)
mysql> desc Surat_Permohonan;
                  | Type | Null | Key | Default | Extra |
| Id_Surat_Mohon | int
                          NO
                                   PRI |
                                          NULL
 Id_Desa
                   int
                                          NULL
 Tanggal date NO
Keterangan text NO
                                          NULL
                                          NULL
5 rows in set (0.00 sec)
```

### 5. Membuat tabel Surat

```
mysql> create table Surat (
     -> Id_Surat int not null primary key,
     -> Nama_Surat text not null,
     -> Jenis_Surat text not null,
     -> Keterangan text not null,
     -> Id Surat Mohon int not null,
     -> NIK int not null,
     -> Id_Desa int not null
Query OK, 0 rows affected (0.02 sec)
mysql> desc Surat;
Field
             | Type | Null | Key | Default | Extra |
 Id_Surat | int | NO
Nama_Surat | text | NO
Jenis_Surat | text | NO
Keterangan | text | NO
Id_Surat_Mohon | int | NO
NIK | int | NO
Id_Desa | int | NO
                                       | PRI | NULL
                                                NULL
                                               NULL
                                               NULL
                                                NULL
                                               NULL
7 rows in set (0.00 sec)
```

## 6. Membuat tabel Desa

### 7. Menambah auto increment di tabel Penduduk

```
mysql> alter table Penduduk
    -> modify column NIK int not null auto_increment;
Query OK, 0 rows affected (0.06 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> desc Penduduk;
            | Type | Null | Key | Default | Extra
Field
            | int | NO | PRI | NULL
                                            auto_increment
  Nama
             text NO
             date NO
year NO
 Tgl_Lahir
                                  NULL
  Thn_Lahir
                                  NULL
 RT
                    NO
                                  NULL
  RW
  Id_Desa
                   NO
                                NULL
 Kecamatan | text | NO
Alamat | text | NO
                                NULL
9 rows in set (0.00 sec)
```

## 8. Menambah auto increment di tabel Surat Permohonan

```
mysql> alter table Surat_Permohonan
   -> modify column Id_Surat_Mohon int not null auto_increment;
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> desc Surat_Permohonan;
Field
              | Type | Null | Key | Default | Extra
PRI NULL
                                         auto_increment
                                 NULL
                                 NULL
                date NO
 Tanggal
                                 NULL
 Keterangan | text | NO
                                NULL
5 rows in set (0.00 sec)
```

## 9. Menambah auto\_increment di tabel Surat

```
mysql> alter table Surat
   -> modify column Id_Surat int not null auto_increment;
Query OK, 0 rows affected (0.06 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> desc Surat;
                   | Type | Null | Key | Default | Extra
Field
Nama_Surat
Jenia
Id Surat
                                   | PRI | NULL
                                                     auto_increment
 Nama_Surat | text | NO
Jenis_Surat | text | NO
Keterangan | text | NO
Id_Surat_Mohon | int | NO
                                           NULL
                                           NULL
                                          NULL
                                         NULL
                   int
                            NO
                                           NULL
 NIK
 Id_Desa
                   | int | NO
                                         NULL
7 rows in set (0.00 sec)
```

## 10. Menambah auto increment di tabel Desa

```
mysql> alter table Desa
  -> add foreign key (NIK) references Penduduk (NIK);
Query OK, 0 rows affected (0.10 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> desc Desa;
| Field | Type | Null | Key | Default | Extra
 Id_Desa | int | NO | PRI | NULL
                                     | auto_increment
         text NO
 Nama
                           NULL
                            NULL
 Alamat
         text NO
         | int | NO | MUL | NULL
4 rows in set (0.00 sec)
```

## 11. Menambah foreign key pada tabel Penduduk

```
mysql> alter table Penduduk
    -> add foreign key (Id_Desa) references Desa (Id_Desa);
Query OK, 0 rows affected (0.13 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> desc Penduduk;
| Field | Type | Null | Key | Default | Extra
              int NO
                               PRI NULL
                                                  | auto_increment
  Nama | text | NO
Tgl_Lahir | date | NO
Thn_Lahir | year | NO
  Nama
                                       NULL
                                       NULL
                int
  RT
                                       NULL
               int
                        NO
                                       NULL
              int | NO | text | NO | text | NO
                               | MUL | NULL
  Id_Desa
  Kecamatan | text
                                        NULL
  Alamat
                                        NULL
9 rows in set (0.00 sec)
```

## 12. Menambah foreign key pada tabel Surat-Permohonan

```
mysql> alter table Surat_Permohonan
   -> add foreign key (NIK) references Penduduk (NIK),
    -> add foreign key (Id_Desa) references Desa (Id_Desa);
Query OK, 0 rows affected (0.10 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> desc Surat_Permohonan;
               | Type | Null | Key | Default | Extra
                               PRI
                                     NULL
| Id_Surat_Mohon | int
                       NO
                                              auto_increment
                       NO NO
                                     NULL
 Id_Desa
                                     NULL
 Tanggal
                 date NO
                                     NULL
                | text | NO
                                     NULL
 Keterangan
5 rows in set (0.00 sec)
```

## 14. Menambah foreign key pada tabel Surat

## 15. Menambah foreign key pada tabel Desa

```
mysql> alter table Desa
  -> add foreign key (NIK) references Penduduk (NIK);
Query OK, 0 rows affected (0.10 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> desc Desa;
         | Type | Null | Key | Default | Extra
 Field
                                        auto_increment
 Id_Desa | int | NO
                       PRI NULL
          text NO
 Nama
                               NULL
         text NO | NULL | int | NO | MUL | NULL
 Alamat
4 rows in set (0.00 sec)
```

### Hasil tabel:

# Struktur tabel:

+   Field	Type	(;    Null	Kev l	Default	Extra
NIK Nama Tgl_Lahir   Thn_Lahir   RT	int   text   date   year   int	NO NO NO NO NO	PRI	NULL NULL NULL NULL NULL NULL	auto_increment
Id_Desa   Kecamatan   Alamat	int   text   text	NO NO NO	MUL	NULL NULL NULL	

mysql> desc Surat +			+	Defeult	+
. Lieid	Гуре	NUII	i Key	Default	EXLITA
Id_Surat_Mohon   NIK   Id_Desa   Tanggal   Keterangan	int int int date text	NO NO NO NO NO	PRI MUL MUL	NULL NULL NULL NULL NULL	auto_increment     
5 rows in set (0.6		+	+		++

Field	Туре	Null	Key	Default	Extra
Id_Surat	int	NO	PRI	NULL	auto_increment
Nama_Surat	text	NO	j j	NULL	
Jenis_Surat	text	NO	İ	NULL	i i
Keterangan	text	NO		NULL	
Id_Surat_Mohon	int	NO	MUL	NULL	
NIK	int	NO	MUL	NULL	
Id Desa	int	NO	MUL	NULL	

```
mysql> desc Desa;
 Field | Type | Null | Key | Default | Extra
                                  | auto_increment
              NO PRI
 Id_Desa | int
                           NULL
 Nama
         text
               NO
                           NULL
 Alamat
         text |
               NO
                           NULL
       int
              NO
                   | MUL | NULL
 NIK
4 rows in set (0.00 sec)
```