II - Mengenal Kekangan Nilai pada Data

- Mengatur Agar Data Selalu Diisi;
- Menentukan Kunci Primer;
- Membuat Kunci Komposit;
- Membuat Nilai yang Unik;
- Memberi Nilai Bawaan;
- Memvalidasi Nilai;

1. Mengatur Agar Data selalu Diisi

```
create table infoprib (
id_bin char(5) not null,
nama char(25) not null,
tgl_lahir date,
sex char(1));

what about…
insert into infoprib values
('HAKIM', 'Christine Hakim',
 '1957  12  25', 'W');

what about…
insert into infoprib (id_bin,tgl_lahir,sex)
values ('DREWB','1972  02  2','W');

what about…
insert into infoprib (id_bin,nama) values (
'DREWB','Drew Barrymore');
```

2. Menentukan Kunci Primer

```
create table infoprib (
id_bin char(5) not null primary key,
nama char(25) not null,
tgl_lahir date,
sex char(1));

what about … 2x
insert into infoprib (id_bin, nama)
values ('STONE', 'Sharon Stone');
```

3. Membuat Kunci Komposit

```
create table main (
id_bin char(5) not null,
kode_film char(5) not null,
tahun integer,
peran char(25),
primary key (id_bin, kode_film));
```

4. Membuat Nilai yg Unik

```
create table infoprib (
id_bin char(5) not null primary key,
nama char(5) not null unique,
tgl_lahir date,
sex char(1));
```

5. Memberi Nilai Bawaan

```
create table infoprib (
id_bin char(5) not null primary key,
nama char(25),
tgl_lahir date,
sex char default 'W');

contoh:
insert into infoprib (id_bin,nama)
values ('DREWB','Drew Barrymore');
cek dengan:
select * from infoprib;
```

6. Memvalidasi Nilai

```
create table infoprib (
id_bin char(5) not null primary key,
nama char(5) unique,
tgl_lahir date,
sex char(1) default 'W'
   check (sex='W' or sex='P'));

what about…
insert into infoprib values (
'DREWB','Drew Barrymore','1975-02-22','W');

what about…
insert into infoprib values (
'SYLVE','Sylvester Stallone','1946-07-06','L');
```

6. Memvalidasi Nilai

```
create table penjual (
id_pen integer not null primary key,
nama char(25) not null,
kota char(15),
komisi float
    check (komisi <= 0.1 or kota = 'Jakarta'));

what about…
insert into penjual
values (1,'Amirudin','Yogya',0.1);

insert into penjual
values (2,'Fahmi','Yogya',0.2);

insert into penjual
values (3,'Siti Aminah','Jakarta',0.2);
```