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Nim: 181402098

Kom: C

1. CREATE TABLE

customer (custno varchar(10)
NOT NULL, custname
varchar(30) NOT NULL,address
varchar(30) NOT NULL,
Internal varchar(1) NOT NULL,
contact varchar(30) NOT NULL,
phone varchar(10) NOT NULL,
city varchar(15) NOT NULL,
state varchar(2) NOT
NULL,zip varchar(5) NOT
NULL,

CONSTRAINT custno_ PRIMARY KEY (custno)

);



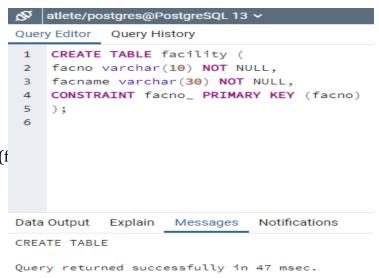
2. CREATE TABLE facility

(facno varchar(10) NOT

NULL, facname varchar(30)

NOT NULL,

CONSTRAINT facno_ PRIMARY KEY (f
);



2 custno varchar(10) NOT NULL,

3 custname varchar(30) NOT NULL,
4 address varchar(30) NOT NULL,

5 Internal varchar(1) NOT NULL,

6 contact varchar(30) NOT NULL,
7 phone varchar(10) NOT NULL,

11 CONSTRAINT custno_ PRIMARY KEY (custno)

Data Output Explain Messages Notifications

Query returned successfully in 71 msec.

8 city varchar(15) NOT NULL,
9 state varchar(2) NOT NULL,

10 zip varchar(5) NOT NULL,

12);

CREATE TABLE

Query Editor Query History

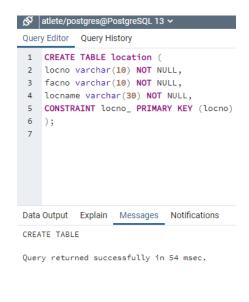
Name	Owner	Partitioned table?	Comment
customer	postgres	False	
facility	postgres	False	

3. CREATE TABLE
location (locno varchar(10)
NOT NULL, facno varchar(10)
NOT NULL, locname

varchar(30) NOT NULL,

CONSTRAINT locno_ PRIMARY KEY (locno)

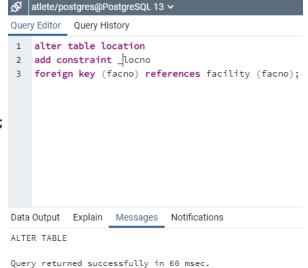
);



Name	Owner	Partitioned table?	Comment
customer	postgres	False	
facility	postgres	False	
location	postgres	False	

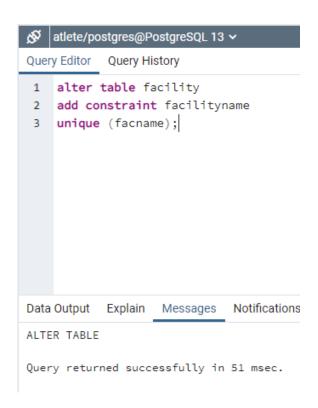
4. Hanya ada satu tabel yang saling berhubungan. Table yang berhubungan adalah tabel facilitydengan tabel location dimana table facility merupakan parent dari tabel location, karna tabel location mengambil data dari tabel facility.

5. alter table locationadd constraint _locno foreign key (facno) references facility (facno);

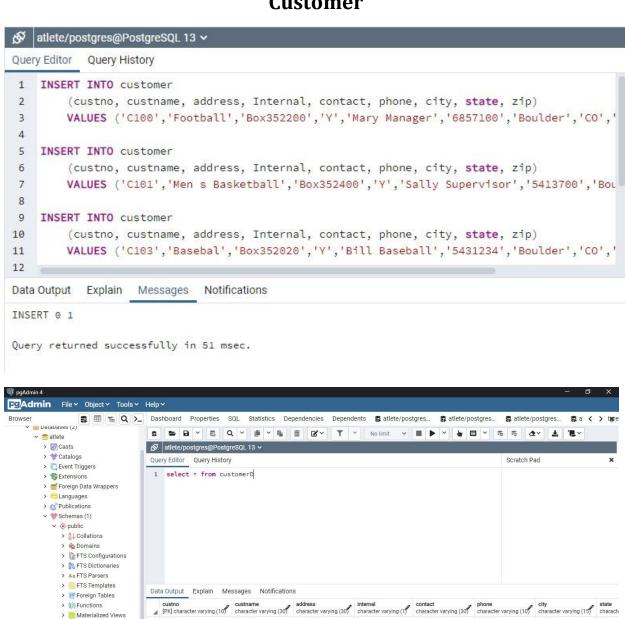


6. yang saya ketahui, null tidak boleh digunakan dalam foreign key. Saya ingin menjelaskan mengapa foreign key mungkin perlu nol atau mungkin perlu unik atau tidak unik. Pertama, ingatforeign key hanya mengharuskan nilai di bidang itu harus ada terlebih dahulu di tabel yang berbeda (tabel induk). Itu semua adalah definisi FK. Null menurut definisi bukanlah nilai. Null artinya kita belum tahu berapa nilainya.

alter table facility
 Add constraint
 facilitynameUnique
 (facname);



Pengisian Data Customer



Box352400

Box352020

Box351200

123 AnyStreet

Men s Basketball

Women s Softball

Basebal

> (() Procedures

> 1..3 Sequences

> (Trigger Functions

> Tables

> Types

> In Views
> Subscriptions
> postgres
> Login/Group Roles
> Tablespaces

Pit Links

2 C101

3 C103

4 C104

Mary Manager

Sally Supervisor

Bill Baseball

Sue Softhall

5413700

5431234

5434321

4441234

CO

CO

CO

Boulder

Boulder

Roulder

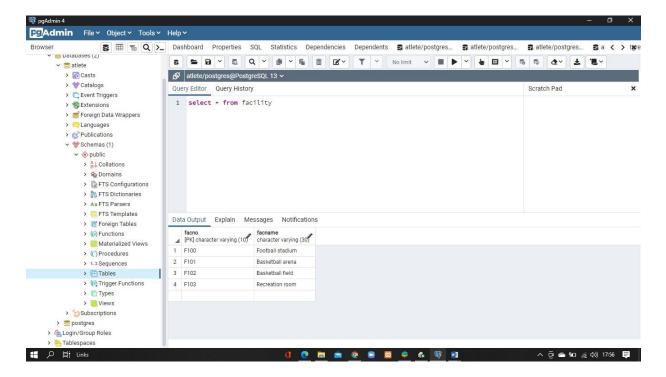
Pengisian Data Facility

```
    atlete/postgres@PostgreSQL 13 ▼

Query Editor
            Query History
    INSERT INTO facility
 1
 2
         (facno, facname)
         VALUES ('F100', 'Football stadium');
 3
 4
 5
    INSERT INTO facility
 6
 7
         (facno, facname)
 8
         VALUES ('F101', 'Basketball arena');
 9
    INSERT INTO facility
10
11
         (facno, facname)
         VALUES ('F102', 'Basketball field');
12
Data Output
           Explain
                     Messages
                                Notifications
```

INSERT 0 1

Query returned successfully in 43 msec.



Pengisian Data Location

```
atlete/postgres@PostgreSQL 13 >
            Query History
Query Editor
         (locno, facno, locname)
22
         VALUES ('L104', 'F100', 'Ticket Booth');
23
24
25
    INSERT INTO location
26
         (locno, facno, locname)
27
         VALUES ('L105', 'F101', 'Gate');
28
29
30
    INSERT INTO location
31
         (locno, facno, locname)
32
33
         VALUES ('L106', 'F100', 'Pedestrian gate');
Data Output Explain
                   Messages
                               Notifications
```

INSERT 0 1

Query returned successfully in 48 msec.

