Nama: M. Arib Naufal Mrp.

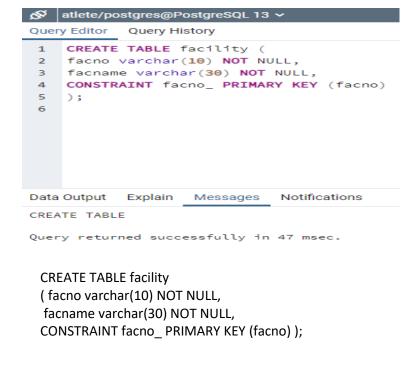
NIM: 181402004

Kom: C

Data Warehouse dan Bisnis Intelligence



```
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)
);
```



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

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

I coation

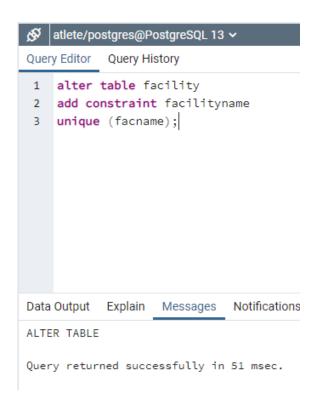
```
CREATE TABLE location (locno
varchar(10) NOT NULL, facno
varchar(10) NOT NULL, locname
varchar(30) NOT NULL,
CONSTRAINT locno_ PRIMARY KEY (locno)
);
```

- 1. Hanya ada satu tabel yang saling berhubungan. Table yang berhubungan adalah tabel facility dengan tabel location dimana table facility merupakan parent dari tabel location, karna tabel location mengambil data dari tabel facility.
- 2. alter table location
 add constraint _locno
 foreign key (facno) references facility (facn



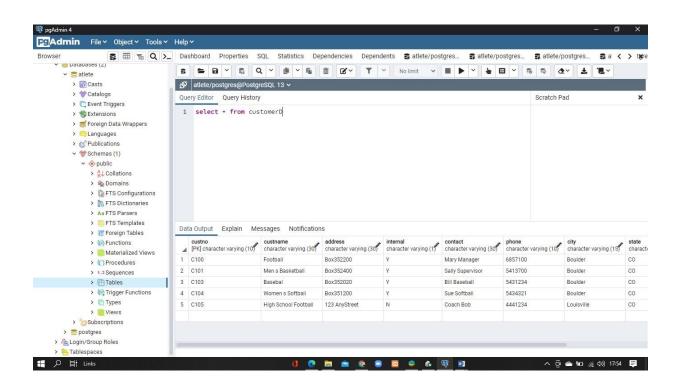
3. Menurut saya, null tidak boleh digunakan dalam foreign key. Saya ingin menjelaskan mengapa foreign key mungkin perlu nol atau mungkin perlu unik atau tidak unik. Pertama, ingat foreign key hanya mengharuskan nilai di bidang itu harus ada terlebih dahulu di tabel yang berbeda (tabel induk). Itu semua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

alter table facility
 Add constraint facilityname
 Unique (facname);



Pengisian Data Customer

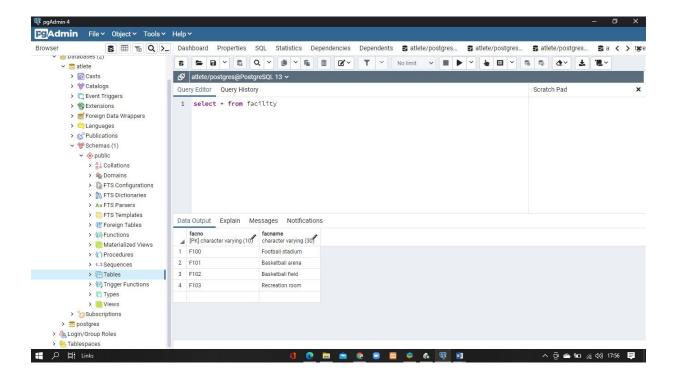
```
Query Editor Query History
 1 INSERT INTO customer
 2
        (custno, custname, address, Internal, contact, phone, city, state, zip)
 3
        VALUES ('C100', 'Football', 'Box352200', 'Y', 'Mary Manager', '6857100', 'Boulder', 'CO', '
 4
 5
    INSERT INTO customer
 6
        (custno, custname, address, Internal, contact, phone, city, state, zip)
 7
        VALUES ('C101','Men s Basketball','Box352400','Y','Sally Supervisor','5413700','Bou
 8
 9
    INSERT INTO customer
        (custno, custname, address, Internal, contact, phone, city, state, zip)
10
        VALUES ('C103', 'Basebal', 'Box352020', 'Y', 'Bill Baseball', '5431234', 'Boulder', 'CO', '
11
12
Data Output Explain Messages Notifications
INSERT 0 1
Query returned successfully in 51 msec.
```



Pengisian Data Facility

```
🔗 atlete/postgres@PostgreSQL 13 🗸
Query Editor Query History
     INSERT INTO facility
 1
 2
         (facno, facname)
 3
         VALUES ('F100', 'Football stadium');
 4
 5
     INSERT INTO facility
 6
 7
          (facno, facname)
 8
         VALUES ('F101', 'Basketball arena');
 9
10
     INSERT INTO facility
         (facno, facname)
11
12
         VALUES ('F102', 'Basketball field');
Data Output Explain Messages Notifications
INSERT 0 1
```

Query returned successfully in 43 msec.



Pengisian Data Location

```
atlete/postgres@PostgreSQL 13 v
Query Editor
            Query History
22
         (locno, facno, locname)
        VALUES ('L104', 'F100', 'Ticket Booth');
23
24
25
    INSERT INTO location
26
27
         (locno, facno, locname)
        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.

