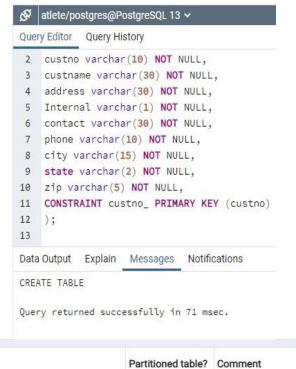
Nama : Dimas Ridian Supardi

NIM : 181402027

);

Matkul : Data Warehouse dan Bisnis Intelligence

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)



Name Owner Partitioned table? Comment customer postgres

2. CREATE TABLE facility (
facno varchar(10) NOT NULL,
facname varchar(30) NOT NULL,
CONSTRAINT facno_ PRIMARY
KEY (facno)
);

```
    atlete/postgres@PostgreSQL 13 

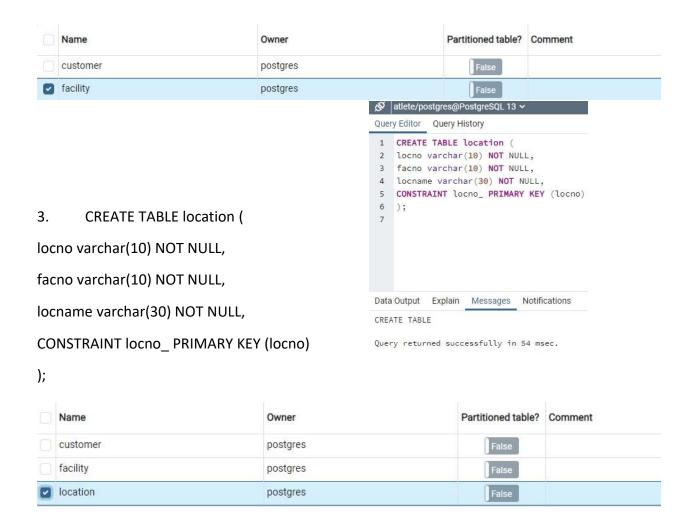
    ■

    atlete/postgres@PostgreSQL 13 

    ■

    atlete/postgres@PostgreSQL 13 

    atlete/postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres@Postgres
  Query Editor
                                                                                                        Query History
                                        CREATE TABLE facility (
                                        facno varchar(10) NOT NULL,
                                       facname varchar(30) NOT NULL,
         4
                                     CONSTRAINT facno_ PRIMARY KEY (facno)
         5
                                        );
 Data Output
                                                                                                      Explain
                                                                                                                                                                             Messages
                                                                                                                                                                                                                                                                        Notifications
 CREATE TABLE
 Query returned successfully in 47 msec.
```



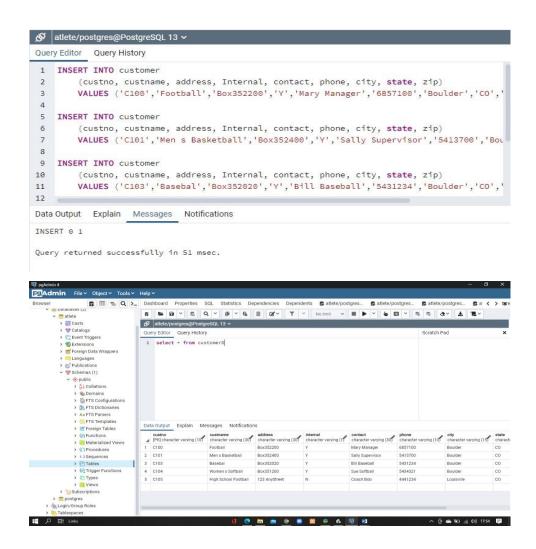
4. Hanya ada satu tabel yang saling berhubungan, yaitu tabel facility dengan tabel location yang dimana tabel facility merupakan parent dari tabel location, karna tabel location mengambil data dari tabel facility.



- 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, 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);



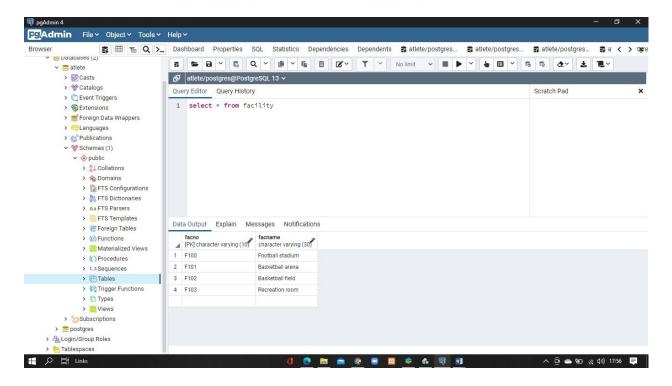
Pengisian Data Customer



Pengisian Data Facility

```
Query Editor
           Query History
    INSERT INTO facility
 1
 2
        (facno, facname)
 3
        VALUES ('F100', 'Football stadium');
 4
 5
 6
    INSERT INTO facility
 7
        (facno, facname)
        VALUES ('F101', 'Basketball arena');
 8
 9
    INSERT INTO facility
10
        (facno, facname)
11
        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 Editor
           Query History
         (locno, facno, locname)
22
        VALUES ('L104', 'F100', 'Ticket Booth');
23
24
25
    INSERT INTO location
26
         (locno, facno, locname)
27
28
        VALUES ('L105', 'F101', 'Gate');
29
30
    INSERT INTO location
31
         (locno, facno, locname)
32
        VALUES ('L106', 'F100', 'Pedestrian gate');
33
Data Output
            Explain
                    Messages
                               Notifications
```

INSERT 0 1

Query returned successfully in 48 msec.

