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Tugas 1 Data Warehouse dan Bisnis Intelligence

1. Pertama

CREATE TABLE customer (custnovarchar(10)

NOT NULL, custnamevarchar(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	

atlete/postgres@PostgreSQL 13 ⌄

Query Editor   Query History

```
 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,
 8  city varchar(15) NOT NULL,
 9  state varchar(2) NOT NULL,
10  zip varchar(5) NOT NULL,
11  CONSTRAINT custno_ PRIMARY KEY (custno)
12  );
13
```

Data Output   Explain   Messages   Notifications

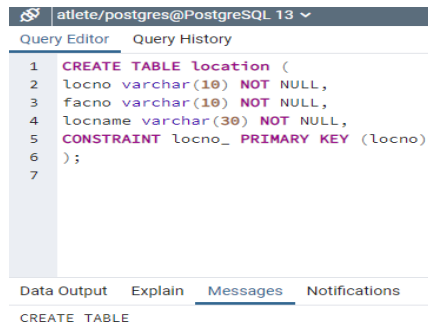CREATE TABLE

2. menjalankan create table facility

CREATE TABLE facility (facno varchar(10)

NOT NULL, facnamevarchar(30) NOT NULL,

CONSTRAINT facno_ PRIMARY KEY (facno)

);

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

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Query Editor   Query History

```
1   CREATE TABLE facility (
2   facno varchar(10) NOT NULL,
3   facname varchar(30) NOT NULL,
4   CONSTRAINT facno_ PRIMARY KEY (facno)
5   );
6
```

Data Output   Explain   Messages   Notifications

3. menjalankan create table location

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. menjalankan table location

alter table location add

constraint _locno

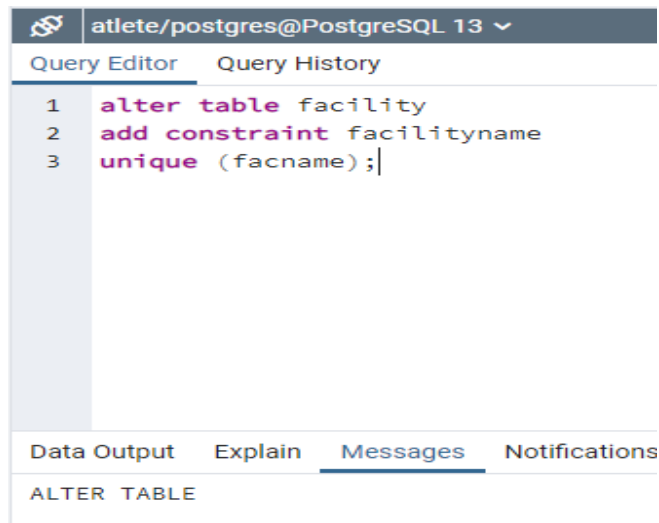foreign key (facno) references

facility (facno);

6. Null tidak boleh digunakan dalam foreign key. 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.

7.menjalankan alter table facility

alter table facility

add constraint facilitynameunique

(facname);

Pengisian DataCustomer

Pengisian Data Facility


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

Data Output   Explain   Messages   Notifications

INSERT 0 1

Query returned successfully in 43 msec.

facno	facname
F100	Football stadium
F101	Basketball arena
F102	Basketball field
F103	Recreation room
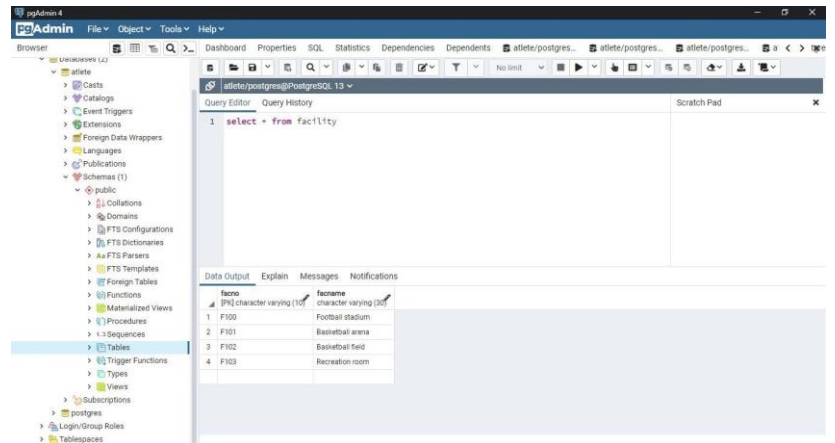
Pengisian Data Location

Query Editor   Query History

```
22        (locno, facno, locname)
23        VALUES ('L104', 'F100', 'Ticket Booth');
24
25
26  INSERT INTO location
27        (locno, facno, locname)
28        VALUES ('L105', 'F101', 'Gate');
29
30
31  INSERT INTO location
32        (locno, facno, locname)
33        VALUES ('L106', 'F100', 'Pedestrian gate');
```

Data Output   Explain   Messages   Notifications

INSERT 0 1

Query returned successfully in 48 msec.

pgAdmin 4 — select * from location

locno	facno	locname
L100	F100	Locker room
L101	F100	Plaza
L102	F100	Vehicle gate
L103	F101	Locker room
L104	F100	Ticket Booth
L105	F101	Gate
L106	F100	Pedestrian gate