Praktikum 2 Sistem Basis Data 2023

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Kelas : IUP

RDBMS : PostgreSQL

Link Script SQL: Script

Kode Asdos : SBDO02

Sesi : Modul Pendahuluan

Nomor 1s

Sintaks:

```
1 CREATE TABLE Customer(
2 ID_customer char(6) PRIMARY KEY NOT NULL,
                                     Nama_customer varchar(100) NOT NULL
          CREATE TABLE Pegawai (
NIK char(16) PRIMARY KEY NOT NULL,
Nama_pegawai varchar(100) NOT NULL,
                                             Jenis_kelamin char(1),
Email varchar(50),
Umur int NOT NULL
      12 );
      13
14 CREATE TABLE Transaksi (
                                       REATE TABLE Transaksi (

ID_transaksi char(10) PRIMARY KEY NOT NULL,
Tanggal_transaksi DATE NOT NULL,
Metode_pembayaran varchar(15) NOT NULL,
Customer_ID_customer char(16) NOT NULL,
Pegawai_NIK char(16) NOT NULL,
FOREIGN KEY (Customer_ID_customer) REFERENCES Customer(ID_customer),
FOREIGN KEY (Pegawai_NIK) REFERENCES Pegawai(NIK)
      21
    22 );
      24 CREATE TABLE Telepon(
                                               No_telp_pegawai varchar(15) PRIMARY KEY NOT NULL,
Pegawai_NIK char(16) NOT NULL,
FOREIGN KEY (Pegawai_NIK) REFERENCES Pegawai(NIK)
    OREATE TABLE Menu_minuman(
Interpretation of the state of
       34 );
    35
6 CREATE TABLE Transaksi_minuman(
37  TM_Menu_Minuman_ID char(6) NOT NULL,
38  TM_transaksi_ID char(10) NOT NULL,
39  Jumlah_cup int NOT NULL,
40  CONSTRAINT PK_Transaksi_minuman
41  PRIMARY KEY(TM_Menu_Minuman_ID, TM_transaksi_ID),
42  FOREIGN KEY (TM_Menu_Minuman_ID) REFERENCES Menu_minuman(ID_minuma)
43  FOREIGN KEY (TM_transaksi_ID) REFERENCES Transaksi(ID_transaksi)
44 ):
                                                                                                                                                                                                                                                                                                                                                                            man(ID_minuman),
 Data Output Messages Notifications
 Query returned successfully in 92 msec.
```

```
Tables (6)

Tables (6)

Tables (6)

Tables (6)

Tables (6)

CREATE TABLE

Tables (6)

CREATE TABLE

Tables (7)

Tables (8)

Tables (9)

Ta
```

Sintaks:

```
CREATE TABLE Membership(
         CREATE TABLE Membership(
ID_membership CHAR(6) NOT NULL,
No_telepon_customer varchar(15) NOT NULL,
alamat_customer VARCHAR(100) NOT NULL,
Tanggal_pembuatan_kartu_membership DATE NOT NULL,
Tanggal_kedaluwarsa_kartu_membership DATE,
Total_point int NOT NULL,
Customer_ID_customer CHAR(6)
50
51
53
55
56
57 );
59 --2A--
60 ALTER TABLE Membership
61 ADD CONSTRAINT p_key PRIMARY KEY (ID_membership);
63 --28 & 2C--
64 ALTER TABLE Membership
65 ADD CONSTRAINT f_key FOREIGN KEY (Customer_ID_customer) REFERENCES Customer(ID_customer)
66 ON DELETE CASCADE
67
68
        ON UPDATE CASCADE;
70 -2D--
70 ALTER TABLE Membership
71 ALTER COLUMN Tanggal_pembuatan_kartu_membership SET DEFAULT CURRENT_DATE;
72
73 --2E--
74 ALTER TABLE Membership
75 ADD CHECK (membership.total_point>=0);
76
77 --2F--
 78 ALTER TABLE Membership
 79 ALTER COLUMN alamat_customer TYPE varchar(150);
Data Output Messages Notifications
ALTER TABLE
Query returned successfully in 38 msec.
```

Hasil:

➤ ☐ Tables (7) > ☐ customer > ☐ membership > ☐ menu_minuman > ☐ pegawai > ☐ telepon > ☐ transaksi > ☐ transaksi_minuman

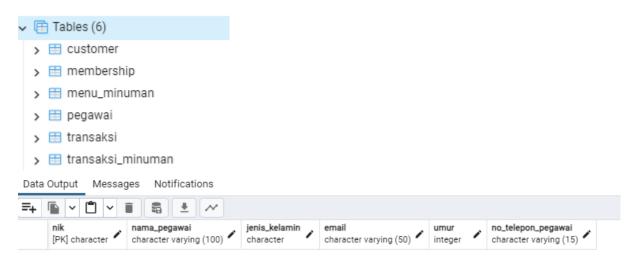
Sintaks:

```
82 --3--
83 DROP TABLE telepon;
84
85 ALTER TABLE pegawai
86 ADD COLUMN no_telepon_pegawai varchar(15);
Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 46 msec.
```

Hasil:



Nomor 4

Sintaks:

```
| Marie | Mari
```

Hasil:

	id_transaksi [PK] character	tanggal_transaksi 🖊	metode_pembayaran character varying (15)	customer_id_customer /	pegawai_nik character
1	TRX0000001	2023-10-01	Kartu kredit	CTR002	2345678901234561
2	TRX0000002	2023-10-03	Transfer bank	CTRo04	3456789012345612
3	TRX0000003	2023-10-05	Tunai	CTR001	3456789012345612
4	TRX0000004	2023-10-15	Kartu debit	CTR003	1234567890123456
5	TRX0000005	2023-10-15	E-wallet	CTRo04	1234567890123456
6	TRX0000006	2023-10-21	Tunai	CTR001	2345678901234561

INSERT 0 12

Query returned successfully in 33 msec.

Nomor 5

Sintaks:

```
INSERT INTO transaksi(id_transaksi, tanggal_transaksi, metode_pembayaran, customer_id_customer, pegawai_nik)
VALUES
('TRX0000007', '3-10-2023', 'Transfer bank', 'CTR004', '2345678901234561');

INSERT INTO transaksi_minuman(TM_transaksi_id, TM_Menu_Minuman_ID, jumlah_cup)
VALUES
('TRX0000007', 'MNM005', 1);

--6--
INSERT INTO pegawai(nik, nama_pegawai, umur)
VALUES

Data Output Messages Notifications

INSERT 0 1

Query returned successfully in 36 msec.
```

Hasil:

7	TRX0000007	2023-10-03	3 Transfer bank C		2345678901234561
13	3 MNM010		00004	1	

Nomor 6

Sintaks:

```
158 --6--
159 INSERT INTO pegawai(nik, nama_pegawai, umur)
160 VALUES
161 ('1111222233334444', 'Maimunah', 25);
162
Data Output Messages Notifications
INSERT 0 1
Query returned successfully in 36 msec.
```

Hasil:

	nik [PK] character	nama_pegawai character varying (100)	jenis_kelamin character	email character varying (50)	umur integer	no_telepon_pegawai character varying (15)
1	1111222233334444	Maimunah	[null]	[null]	25	[null]

Nomor 7

Sintaks:

```
ALTER TABLE transaksi_minuman

DROP CONSTRAINT transaksi_minuman

ADD CONSTRAINT fransaksi_minuman

ADD CONSTRAINT fkey_id_minuman FOREIGN KEY (TM_Menu_Minuman_ID) REFERENCES Menu_minuman(ID_minuman) ON UPDATE CASCADE ON DELETE CASCADE,

ADD CONSTRAINT fkey_id_transaksi FOREIGN KEY (TM_transaksi_id) REFERENCES Transaksi(ID_transaksi) ON UPDATE CASCADE ON DELETE CASCADE;

ALTER TABLE transaksi

DROP CONSTRAINT transaksi_customer_id_customer_fkey;

ALTER TABLE transaksi

ADD CONSTRAINT fkey_id_customer FOREIGN KEY (customer_ID_customer) REFERENCES customer(id_customer) ON UPDATE CASCADE ON DELETE CASCADE;

UPDATE customer

SET id_customer = 'CTR004'

WHERE nama_customer = 'Sutris Ten An';

Data Output Messages Notifications

UPDATE 1

Query returned successfully in 36 mase.
```

Hasil:

4 CTR004 Sutris Ten An

Nomor 8

Sintaks:

```
181 --8--

182 UPDATE pegawai

183 SET jenis_kelamin = 'P', no_telepon_pegawai = '621234567', email = 'maimunah@gmail.com'

184 WHERE nama_pegawai = 'Maimunah';

Data Output Messages Notifications

UPDATE 1

Query returned successfully in 31 msec.
```

	nik [PK] character	nama_pegawai character varying (100)	jenis_kelamin character	email character varying (50)		no_telepon_pegawai character varying (15)
1	1111222233334444	Maimunah	P	maimunah@gmail.com	25	621234567

Sintaks:

```
186 --9--
187 UPDATE membership
188 SET total_point = 0
189 WHERE tanggal_kedaluwarsa_kartu_membership <'1-12-2023'::date;
190

Data Output Messages Notifications

UPDATE 3

Query returned successfully in 36 msec.
```

Hasil:

	id_membership [PK] character	no_telepon_customer character varying (15)	alamat_customer character varying (150)	tanggal_pembuatan_kartu_membership date	tanggal_kedaluwarsa_kartu_membership date	total_point /	customer_id_customer character
1	MBR001	08123456789	Jl. Imam Bonjol	2023-10-24	2023-11-30	0	CTR001
2	MBR002	0812345678	Jl. Kelinci	2023-10-24	2023-11-30	0	CTR002
3	MBR003	081234567890	Jl. Abah Ojak	2023-10-25	2023-10-01	0	CTR003
4	MBR004	08987654321	Jl. Kenangan	2023-10-26	2023-12-02	6	CTR005

Nomor 10

Sintaks:

```
191 --10--
192 DELETE FROM membership;
193

Data Output Messages Notifications

DELETE 4

Query returned successfully in 31 msec.
```



Sintaks:

```
194 --11--
195 DELETE FROM pegawai
196 WHERE nama_pegawai = 'Maimunah';

Data Output Messages Notifications

DELETE 1

Query returned successfully in 31 msec.
```

