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1. QUERY

```sql
CREATE TABLE kelompokfilm(
    jenis varchar(255) PRIMARY KEY,
    harga_sewa int
);

CREATE TABLE film(
    kode_film char(3) PRIMARY KEY,
    jenis varchar(255),
    FOREIGN KEY (jenis) REFERENCES kelompokfilm(jenis),
    judul varchar(255),
    jml_keping int,
    jml_film int
);

CREATE TABLE customer(
    no_identitas char(3) PRIMARY KEY,
    jenis_identitas char(3),
    nama varchar(255),
    alamat varchar(255)
);

CREATE TABLE menyewa(
    kode_sewa char(5) PRIMARY KEY,
    no_identitas char(3),
    FOREIGN KEY (no_identitas) REFERENCES customer(no_identitas),
    tgl_sewa date,
    tot_film int,
    tgl_kembali date,
    tot_hrg int,
    denda int
);
```

```sql
CREATE TABLE detailmenyewa(
    id_detailmenyewa char(5) PRIMARY KEY,
    kode_sewa char(5),
    FOREIGN KEY (kode_sewa) REFERENCES menyewa(kode_sewa),
    kode_film char(3),
    FOREIGN KEY (kode_film) REFERENCES film(kode_film)
);

INSERT INTO kelompokfilm(jenis, harga_sewa)
VALUES
('action', 3000),
('drama', 3500),
('horor', 3000);

INSERT INTO customer(no_identitas, jenis_identitas, nama, alamat)
VALUES
('001', 'SIM', 'Andi', 'pontianak'),
('002', 'SIM', 'Budi', 'pontianak');

INSERT INTO film(kode_film, jenis, judul, jml_keping, jml_film)
VALUES
('A01', 'action', 'Spiderman', 2, 3),
('A02', 'action', 'Spiderman 2', 2, 5),
('D01', 'drama', 'Love Story', 2, 3),
('H01', 'horor', 'Evil Death', 2, 2);
INSERT INTO menyewa(kode_sewa, no_identitas, tgl_sewa, tot_film, tgl_kembali, tot_hrg, denda)
VALUES
('S0001', '001', '01/01/2007', 2, '02/01/2007', 6000, 0),
('S0002', '002', '03/01/2007', 1, '03/01/2007', 3500, 0),
('S0003', '001', '06/01/2007', 3, '08/01/2007', 9500, 0);


INSERT INTO detailmenyewa(id_detailmenyewa, kode_sewa, kode_film)
VALUES
('D0001','S0001', 'A01'),
('D0002', 'S0001', 'A02'),
('D0003', 'S0002', 'D01'),
('D0004', 'S0003', 'A02'),
('D0005', 'S0003', 'D01'),
('D0006', 'S0003', 'H01');
```

RESULT

Tables (5)
- customer
- detailmenyewa
- film
- kelompokfilm
- menyewa

	no_identitas [PK] character	jenis_identitas character	nama character varying (255)	alamat character varying (255)
1	001	SIM	Andi	pontianak
2	002	SIM	Budi	pontianak

	id_detailmenyewa [PK] character	kode_sewa character	kode_film character
1	D0001	S0001	A01
2	D0002	S0001	A02
3	D0003	S0002	D01
4	D0004	S0003	A02

	kode_film [PK] character	jenis character varying (255)	judul character varying (255)	jml_keping integer	jml_film integer
1	A01	action	Spiderman	2	3
2	A02	action	Spiderman 2	2	5
3	D01	drama	Love Story	2	3
4	H01	horor	Evil Death	2	2

	jenis [PK] character varying (255)	harga_sewa integer
1	action	3000
2	drama	3500
3	horor	3000

	kode_sewa [PK] character	no_identitas character	tgl_sewa date	tot_film integer	tgl_kembali date	tot_hrg integer	denda integer
1	S0001	001	2007-01-01	2	2007-01-02	6000	0
2	S0002	002	2007-01-03	1	2007-01-03	3500	0
3	S0003	001	2007-01-06	3	2007-01-08	9500	0

2. QUERY

```sql
INSERT INTO kelompokfilm(jenis, harga_sewa)
VALUES
('komedi', 5000);
```

RESULT

	jenis [PK] character varying (255)	harga_sewa integer
1	action	3000
2	drama	3500
3	horor	3000
4	komedi	5000

3. QUERY

```sql
INSERT INTO film(kode_film, jenis, judul, jml_keping, jml_film)
VALUES
('K01', 'komedi', 'Kapan Kawin', 10, 2),
('K02', 'komedi', 'Takut Kawin', 6, 3),
('D02', 'drama', 'Ayat Ayat Cinta', 8, 3),
('D03', 'drama', 'Tiga Doa Tiga Cinta', 5, 2),
('H02', 'horor', 'Resident Evil', 7, 4);
```

RESULT

	kode_film [PK] character	jenis character varying (255)	judul character varying (255)	jml_keping integer	jml_film integer
1	A01	action	Spiderman	2	3
2	A02	action	Spiderman 2	2	5
3	D01	drama	Love Story	2	3
4	D02	drama	Ayat Ayat Cinta	8	3
5	D03	drama	Tiga Doa Tiga Cinta	5	2
6	H01	horor	Evil Death	2	2
7	H02	horor	Resident Evil	7	4
8	K01	komedi	Kapan Kawin	10	2
9	K02	komedi	Takut Kawin	6	3

4. QUERY

```
UPDATE kelompokfilm
SET harga_sewa = harga_sewa*10;
```

RESULT

	jenis [PK] character varying (255)	harga_sewa integer
1	action	30000
2	drama	35000
3	horor	30000
4	komedi	50000

5. QUERY

```
SELECT kode_film, judul
FROM film
WHERE jenis = 'horor' OR jenis = 'drama';
```

RESULT

	kode_film [PK] character	judul character varying (255)
1	D01	Love Story
2	H01	Evil Death
3	D02	Ayat Ayat Cinta
4	D03	Tiga Doa Tiga Cinta
5	H02	Resident Evil

6. QUERY

```
SELECT COUNT (kode_sewa)
FROM detailmenyewa
WHERE kode_sewa = 'S0003';
```

RESULT

	count bigint
1	3

7. QUERY

```sql
SELECT no_identitas, tgl_sewa, tot_film
FROM menyewa
WHERE tot_film = (SELECT MIN(tot_film) FROM menyewa);
```

RESULT

	no_identitas character 🔒	tgl_sewa date 🔒	tot_film integer 🔒
1	002	2007-01-03	1

8. QUERY

```sql
SELECT customer.nama, customer.alamat
FROM customer
JOIN menyewa ON customer.no_identitas = menyewa.no_identitas
WHERE menyewa.tgl_kembali < '2007-01-05';
```

RESULT

	nama character varying (255) 🔒	alamat character varying (255) 🔒
1	Andi	pontianak
2	Budi	pontianak

9. QUERY

```sql
SELECT menyewa.no_identitas, film.judul
FROM menyewa
INNER JOIN detailmenyewa ON menyewa.kode_sewa = detailmenyewa.kode_sewa
INNER JOIN film ON detailmenyewa.kode_film = film.kode_film
WHERE film.judul LIKE '%S%';
```

RESULT

	no_identitas character 🔒	judul character varying (255) 🔒
1	001	Spiderman
2	001	Spiderman 2
3	002	Love Story
4	001	Spiderman 2
5	001	Love Story

10. QUERY

```sql
SELECT customer.nama
FROM customer
INNER JOIN menyewa ON customer.no_identitas = menyewa.no_identitas
INNER JOIN detailmenyewa ON menyewa.kode_sewa = detailmenyewa.kode_sewa
INNER JOIN film ON detailmenyewa.kode_film = film.kode_film
WHERE film.jenis = 'drama';
```

RESULT

	nama character varying (255) 🔒
1	Budi
2	Andi