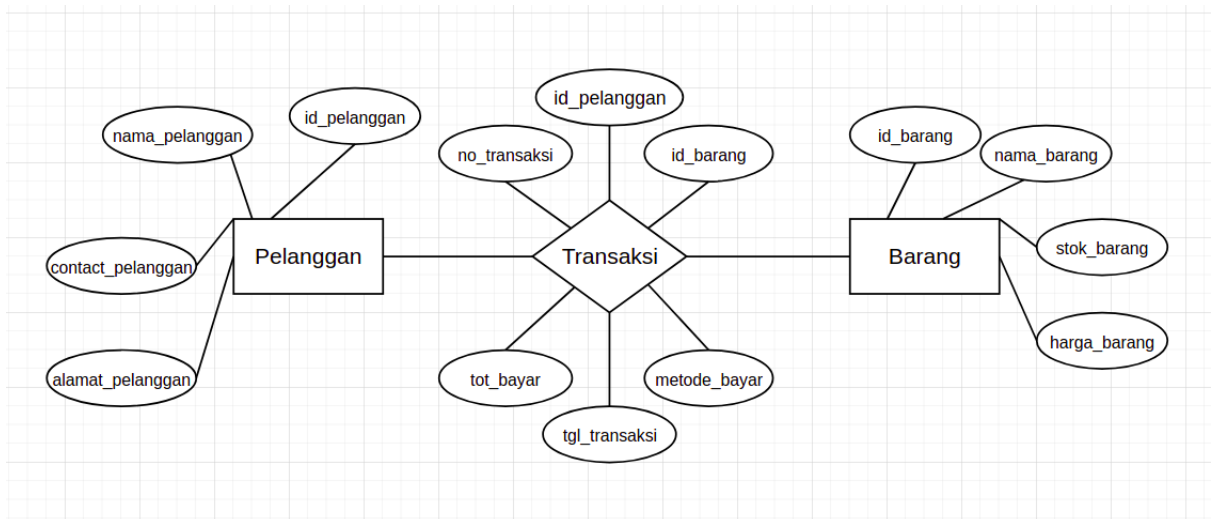


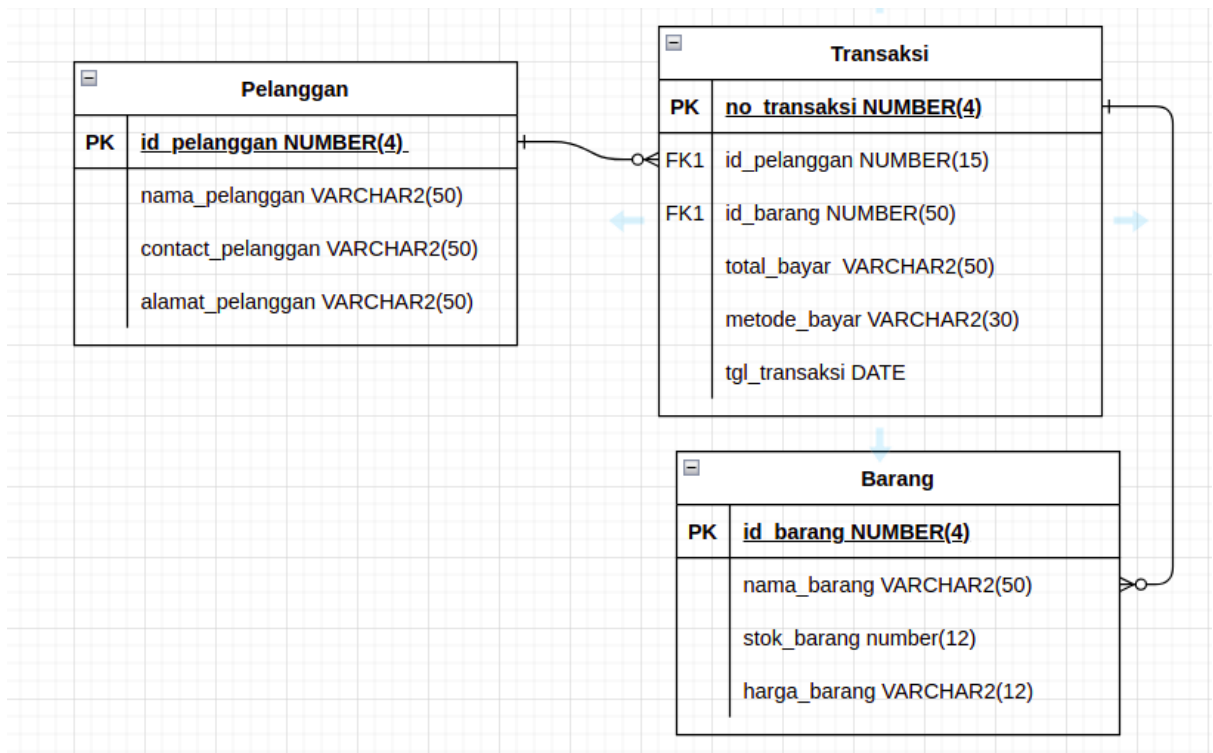
UJIAN AKHIR SEMESTER GANJIL PENGOLAHAN BASIS DATA



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1. ERD dan Tabel





2. Membentuk Struktur Table dengan melihat FOREIGN KEY DAN PRIMARY KEY

Entitas	Atribut
Pelanggan	Id_pelanggan, nama_pelanggan, contact_pelanggan, alamat_pelanggan
Transaksi	no_transaksi, nama_pelanggan, nama_barang, total_bayar, metode_bayar, tgl_transaksi
Barang	Id_barang, nama_barang, stok_barang, harga_barang

Entitas	Primary key	Foreign key
Pelanggan	id_pelanggan	-
Transaksi	no_transaksi	id_pelanggan, id_barang
Barang	id_barang	-

3. Query Membuat Konstrain FOREIGN KEY

*Table Pelanggan

```
CREATE TABLE Pelanggan
(id_pelanggan NUMBER(4) CONSTRAINT pelanggan_pk PRIMARY KEY,
nama_pelanggan VARCHAR2(50),
contact_pelanggan VARCHAR2(50),
alamat_pelanggan VARCHAR2(50)
);
```

Results	Explain	Describe	Saved SQL	History
---------	---------	----------	-----------	---------

Table created.

0.02 seconds

*Table Transaksi

```
CREATE TABLE Transaksi
(no_transaksi NUMBER(4) CONSTRAINT transaksi_pk PRIMARY KEY,
id_pelanggan NUMBER(15) CONSTRAINT transaksi_pelanggan_fk REFERENCES Pelanggan(id_pelanggan),
id_barang NUMBER(15) CONSTRAINT transaksi_barang_fk REFERENCES Barang(id_barang),
total_bayar VARCHAR2(50),
metode_bayar VARCHAR2(30),
tgl_transaksi DATE
);
```

Results	Explain	Describe	Saved SQL	History
---------	---------	----------	-----------	---------

Table created.

0.02 seconds

*Table Barang

```
CREATE TABLE Barang
(id_barang NUMBER(4) CONSTRAINT barang_pk PRIMARY KEY,
nama_barang VARCHAR2(50),
stok_barang NUMBER(12),
harga_barang VARCHAR2(50)
);
```

Results	Explain	Describe	Saved SQL	History
---------	---------	----------	-----------	---------

Table created.

0.02 seconds

4. Query INSERT, UPDATE, & DELETE

*Insert Pelanggan, Transaksi, Barang

```
INSERT INTO Pelanggan  
VALUES('01', 'Orlando Riski Hari Susanto', '083154873837', 'Mlati Beningan, Sleman');
```

Results	Explain	Describe	Saved SQL	History
---------	---------	----------	-----------	---------

1 row(s) inserted.

0.01 seconds

```
INSERT INTO Barang  
VALUES('01', 'Rinso Sabun Cair', '5', '24.000');
```

Results	Explain	Describe	Saved SQL	History
---------	---------	----------	-----------	---------

1 row(s) inserted.

0.01 seconds

```
INSERT INTO Transaksi  
VALUES('01', '01', '01', '24.000', 'DANA', '14-JAN-2022');
```

Results	Explain	Describe	Saved SQL	History
---------	---------	----------	-----------	---------

1 row(s) inserted.

0.02 seconds

*Update

```
UPDATE Pelanggan
SET alamat_pelanggan = 'Sleman'
WHERE id_pelanggan = 01;
```

Results	Explain	Describe	Saved SQL	History
---------	---------	----------	-----------	---------

1 row(s) updated.

0.00 seconds

*Delete

```
DELETE from Pelanggan
WHERE id_pelanggan = 02;
```

Results	Explain	Describe	Saved SQL	History
---------	---------	----------	-----------	---------

1 row(s) deleted.

0.01 seconds

5. Create Vlew

```
CREATE OR REPLACE VIEW Data_barang
("Id Barang","Nama Barang","Jumlah barang Terjual","Total Harga Terjual")
AS SELECT t.id_barang, b.nama_barang, b.stok_barang, t.total_bayar
FROM Transaksi t, Barang b
WHERE t.id_barang = b.id_barang
AND tg1_transaksi BETWEEN '15-JAN-2022' AND '19-JAN-2022'
```

select * from Data_barang;

Results	Explain	Describe	Saved SQL	History
---------	---------	----------	-----------	---------

Id Barang	Nama Barang	Jumlah barang Terjual	Total Harga Terjual
2	Royco	3	25.000
4	Chitoos	2	4.000

2 rows returned in 0.00 seconds

[Download](#)

Create View Pelanggan

Rows10

Clear CommandFind Tables

Save

```
CREATE OR REPLACE VIEW Data_pelanggan
("Id Pelanggan","Nama Pelanggan","Jumlah Transaksi","Total Jumlah")
AS SELECT t.id_pelanggan, p.nama_pelanggan, b.stok_barang, t.total_bayar
FROM Transaksi t, Barang b, Pelanggan p
WHERE t.id_barang = b.id_barang
AND tgl_transaksi BETWEEN '15-JAN-2022' AND '19-JAN-2022'
|
select * from Data_pelanggan;
```

Results

ExplainDescribeSaved SQLHistory

Id Pelanggan	Nama Pelanggan	Jumlah Transaksi	Total Jumlah
2	Orlando Riski Hari Susanto	3	25.000
2	Stevanus Yudana Satria	3	25.000
2	Alexander Widi Oscar Bimantara	3	25.000
2	Bagaskara Jala Wira Samudera	3	25.000
4	Orlando Riski Hari Susanto	2	4.000
4	Stevanus Yudana Satria	2	4.000
4	Alexander Widi Oscar Bimantara	2	4.000
4	Bagaskara Jala Wira Samudera	2	4.000