

TUGAS

INSTRUKSI

1. Perhatikan soal-soal di bawah!
2. Tampilkan data berikut menggunakan JOIN & VIEW!
3. Berikan **kode program SQL** dan **screenshot penggunaan kode** tersebut!
4. Disimpan dan disubmit ke kantong tugas dalam format **.docx** atau **.pdf**

SOAL 21.1 - JOIN TABLE

1.

Pesanan			Pelanggan		Kartu	
id	tanggal	total	kode	nama	nama kartu	diskon

```
SELECT ps.id, ps.tanggal, ps.total, pl.kode, pl.nama, k.nama as nama_kartu,  
CONCAT((k.diskon * 100), '%') AS diskon  
FROM pesanan ps  
INNER JOIN pelanggan pl ON ps.pelanggan_id = pl.id  
INNER JOIN kartu k ON pl.kartu_id = k.id  
ORDER BY id;
```

```
MariaDB [db_koperasi]> SELECT ps.id, ps.tanggal, ps.total, pl.kode, pl.nama, k.nama as nama_kartu, CONCAT((k.diskon * 100), '%') AS  
S diskon  
-> FROM pesanan ps  
-> INNER JOIN pelanggan pl ON ps.pelanggan_id = pl.id  
-> INNER JOIN kartu k ON pl.kartu_id = k.id  
-> ORDER BY id;
```

id	tanggal	total	kode	nama	nama_kartu	diskon
1	2015-11-04	9720000	C001	Agung Sedayu	Gold Utama	5%
2	2015-11-04	17500	C003	Sekar Mirah	Gold Utama	5%
3	2015-11-04	0	C006	Gayatri Dwi	Gold Utama	5%
4	2015-11-04	0	C007	Dewi Gyat	Gold Utama	5%
5	2015-11-04	0	C010	Cassandra	Gold Utama	5%
6	2015-11-04	0	C002	Pandan Wangi	Platinum Jaya	10%
7	2015-11-04	0	C005	Pradabashu	Platinum Jaya	10%
8	2015-11-04	0	C004	Swandaru Geni	Non Member	0%
9	2015-11-04	0	C008	Andre Haru	Non Member	0%
10	2015-11-04	0	C009	Ahmad Hasan	Non Member	0%

```
10 rows in set (0.003 sec)
```

Nama: Fathqul Rizqi Adisti Putri

2.

Pembelian					Produk	Vendor	
id	tanggal	nomor	jumlah	harga	nama	nama	kontak

```
SELECT pb.id, pb.tanggal, pb.nomor, pb.jumlah, pb.harga, p.nama, v.nama as vendor,  
v.kontak
```

```
FROM pembelian pb
```

```
INNER JOIN produk p ON pb.produk_id = p.id
```

```
INNER JOIN vendor v ON pb.vendor_id = v.id
```

```
ORDER BY id;
```

```
MariaDB [db_koperasi]> SELECT pb.id, pb.tanggal, pb.nomor, pb.jumlah, pb.harga, p.nama, v.nama as vendor, v.kontak  
-> FROM pembelian pb  
-> INNER JOIN produk p ON pb.produk_id = p.id  
-> INNER JOIN vendor v ON pb.vendor_id = v.id  
-> ORDER BY id;
```

id	tanggal	nomor	jumlah	harga	nama	vendor	kontak
1	2019-10-10	P001	2	3500000	Televisi 21 inch	PT Guna Samudra	Ali Nurdin
2	2019-11-20	P002	5	5500000	Televisi 40 inch	PT Pondok C9	Putri Ramadhani
3	2019-12-12	P003	5	5400000	Televisi 40 inch	PT Guna Samudra	Ali Nurdin
4	2020-01-20	P004	200	1800	Teh Boto1	CV Jaya Raya Semesta	Dwi Rahayu
5	2020-01-20	P005	100	2300	Teh Kotak	CV Jaya Raya Semesta	Dwi Rahayu

```
5 rows in set (0.002 sec)
```

3.

Pesanan			Pelanggan	Produk		Jenis produk	Pesanan items	
id	tanggal	total	nama	kode	nama	nama	qty	harga_jual

```

SELECT ps.id, ps.tanggal, ps.total, pl.nama, p.kode, p.nama as produk, jp.nama as
jenis, psi.qty, psi.harga as harga_jual
FROM pesanan ps
INNER JOIN pelanggan pl ON ps.pelanggan_id = pl.id
INNER JOIN pesanan_items psi ON psi.pesanan_id = ps.id
INNER JOIN produk p ON psi.produk_id = p.id
INNER JOIN jenis_produk jp ON jp.id = p.jenis_produk_id
ORDER BY id;

```

```

MariaDB [db_koperasi]> SELECT ps.id, ps.tanggal, ps.total, pl.nama, p.kode, p.nama as produk, jp.nama as jenis, psi.qty, psi.harga
as harga_jual
-> FROM pesanan ps
-> INNER JOIN pelanggan pl ON ps.pelanggan_id = pl.id
-> INNER JOIN pesanan_items psi ON psi.pesanan_id = ps.id
-> INNER JOIN produk p ON psi.produk_id = p.id
-> INNER JOIN jenis_produk jp ON jp.id = p.jenis_produk_id
-> ORDER BY id;

```

id	tanggal	total	nama	kode	produk	jenis	qty	harga_jual
1	2015-11-04	9720000	Agung Sedayu	TV01	Televisi 21 inch	elektronik	1	5040000
1	2015-11-04	9720000	Agung Sedayu	K001	Kulkas 2 pintu	elektronik	1	4680000
2	2015-11-04	17500	Sekar Mirah	TK01	Teh Kotak	minuman	5	3500
3	2015-11-04	0	Gayatri Dwi	TK01	Teh Kotak	minuman	10	3500
3	2015-11-04	0	Gayatri Dwi	TV01	Televisi 21 inch	elektronik	1	5040000
5	2015-11-04	0	Cassanndra	TK01	Teh Kotak	minuman	10	3500
6	2015-11-04	0	Pandan Wangi	TK01	Teh Kotak	minuman	20	3500

7 rows in set (0.002 sec)

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SOAL 21.2 - VIEW

1.

Pesanan			Pelanggan		Kartu	
id	tanggal	total	kode	nama	nama kartu	diskon

```
CREATE OR REPLACE VIEW vw_pesanan AS
SELECT ps.id, ps.tanggal, ps.total, pl.kode, pl.nama, k.nama as nama_kartu,
CONCAT((k.diskon * 100), '%') AS diskon
FROM pesanan ps
INNER JOIN pelanggan pl ON ps.pelanggan_id = pl.id
INNER JOIN kartu k ON pl.kartu_id = k.id
ORDER BY ps.id;
```

```
MariaDB [db_koperasi]> CREATE OR REPLACE VIEW vw_pesanan AS
-> SELECT ps.id, ps.tanggal, ps.total, pl.kode, pl.nama, k.nama as nama_kartu, CONCAT((k.diskon * 100), '%') AS diskon
-> FROM pesanan ps
-> INNER JOIN pelanggan pl ON ps.pelanggan_id = pl.id
-> INNER JOIN kartu k ON pl.kartu_id = k.id
-> ORDER BY ps.id;
```

Query OK, 0 rows affected (0.008 sec)

```
MariaDB [db_koperasi]> select * from vw_pesanan;
```

id	tanggal	total	kode	nama	nama_kartu	diskon
1	2015-11-04	9720000	C001	Agung Sedayu	Gold Utama	5%
2	2015-11-04	17500	C003	Sekar Mirah	Gold Utama	5%
3	2015-11-04	0	C006	Gayatri Dwi	Gold Utama	5%
4	2015-11-04	0	C007	Dewi Gyat	Gold Utama	5%
5	2015-11-04	0	C010	Cassanndra	Gold Utama	5%
6	2015-11-04	0	C002	Pandan Wangi	Platinum Jaya	10%
7	2015-11-04	0	C005	Pradabashu	Platinum Jaya	10%
8	2015-11-04	0	C004	Swandaru Geni	Non Member	0%
9	2015-11-04	0	C008	Andre Haru	Non Member	0%
10	2015-11-04	0	C009	Ahmad Hasan	Non Member	0%

10 rows in set (0.002 sec)

Nama: Fathqul Rizqi Adisti Putri

2.

Pembelian					Produk	Vendor	
id	tanggal	nomor	jumlah	harga	nama	nama	kontak

```
CREATE OR REPLACE VIEW vw_pembelian AS
SELECT pb.id, pb.tanggal, pb.nomor, pb.jumlah, pb.harga, p.nama as produk, v.nama
as vendor, v.kontak
FROM pembelian pb
INNER JOIN produk p ON pb.produk_id = p.id
INNER JOIN vendor v ON pb.vendor_id = v.id
ORDER BY id;
```

```
MariaDB [db_koperasi]> CREATE OR REPLACE VIEW vw_pembelian AS
-> SELECT pb.id, pb.tanggal, pb.nomor, pb.jumlah, pb.harga, p.nama as produk, v.nama as vendor, v.kontak
-> FROM pembelian pb
-> INNER JOIN produk p ON pb.produk_id = p.id
-> INNER JOIN vendor v ON pb.vendor_id = v.id
-> ORDER BY id;
Query OK, 0 rows affected (0.011 sec)

MariaDB [db_koperasi]> select * from vw_pembelian;
```

id	tanggal	nomor	jumlah	harga	produk	vendor	kontak
1	2019-10-10	P001	2	3500000	Televisi 21 inch	PT Guna Samudra	Ali Nurdin
2	2019-11-20	P002	5	5500000	Televisi 40 inch	PT Pondok C9	Putri Ramadhani
3	2019-12-12	P003	5	5400000	Televisi 40 inch	PT Guna Samudra	Ali Nurdin
4	2020-01-20	P004	200	1800	Teh Botol	CV Jaya Raya Semesta	Dwi Rahayu
5	2020-01-20	P005	100	2300	Teh Kotak	CV Jaya Raya Semesta	Dwi Rahayu

```
5 rows in set (0.003 sec)
```

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3.

Pesanan			Pelanggan	Produk		Jenis produk	Pesanan items	
id	tanggal	total	nama	kode	nama	nama	qty	harga_jual

```
CREATE OR REPLACE VIEW vw_pesanan AS
SELECT ps.id, ps.tanggal, ps.total, pl.nama, p.kode, p.nama as nama_produk, jp.nama
as jenis, psi.qty, psi.harga as harga_jual
FROM pesanan ps
INNER JOIN pelanggan pl ON ps.pelanggan_id = pl.id
INNER JOIN pesanan_items psi ON psi.pesanan_id = ps.id
INNER JOIN produk p ON psi.produk_id = p.id
INNER JOIN jenis_produk jp ON jp.id = p.jenis_produk_id
ORDER BY id;
```

```
MariaDB [db_koperasi]> CREATE OR REPLACE VIEW vw_pesanan AS
-> SELECT ps.id, ps.tanggal, ps.total, pl.nama, p.kode, p.nama as nama_produk, jp.nama as jenis, psi.qty, psi.harga as harga_j
ual
-> FROM pesanan ps
-> INNER JOIN pelanggan pl ON ps.pelanggan_id = pl.id
-> INNER JOIN pesanan_items psi ON psi.pesanan_id = ps.id
-> INNER JOIN produk p ON psi.produk_id = p.id
-> INNER JOIN jenis_produk jp ON jp.id = p.jenis_produk_id
-> ORDER BY id;

Query OK, 0 rows affected (0.008 sec)
```

id	tanggal	total	nama	kode	nama_produk	jenis	qty	harga_jual
1	2015-11-04	9720000	Agung Sedayu	TV01	Televisi 21 inch	elektronik	1	5040000
1	2015-11-04	9720000	Agung Sedayu	K001	Kulkas 2 pintu	elektronik	1	4680000
2	2015-11-04	17500	Sekar Mirah	TK01	Teh Kotak	minuman	5	3500
3	2015-11-04	0	Gayatri Dwi	TK01	Teh Kotak	minuman	10	3500
3	2015-11-04	0	Gayatri Dwi	TV01	Televisi 21 inch	elektronik	1	5040000
5	2015-11-04	0	Cassanndra	TK01	Teh Kotak	minuman	10	3500
6	2015-11-04	0	Pandan Wangi	TK01	Teh Kotak	minuman	20	3500

7 rows in set (0.005 sec)