View & Transacstion

Worksheet 5

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SOAL 5.1

Buatlah view berdasarkan query yang menampilkan data berikut ini:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Pesanan** | | | **Pelanggan** | | **Kartu** | |
| id | tanggal | total | kode | nama | nama kartu | diskon |

*CREATE VIEW ...*

*CREATE VIEW pesanan\_pelanggan\_kartu*

*AS SELECT pesanan.id, pesanan.tanggal, pesanan. total, pelanggan.kode, pelanggan.nama,*

*kartu.nama as nama\_kartu, kartu.diskon*

*FROM pesanan INNER JOIN pelanggan ON pesanan.pelanggan\_id = pelanggan.id*

*INNER JOIN kartu ON pelanggan.kartu\_id = kartu.id;*

*Select \* FROM pesanan\_pelanggan\_kartu*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Pembelian** | | | | | **Produk** | **Vendor** | |
| id | tanggal | nomor | jumlah | harga | nama | nama | Kontak |

CREATE VIEW pembelian\_produk\_vendor AS

SELECT

p.id AS pembelian\_id,

p.tanggal AS tanggal\_pembelian,

p.nomor AS nomor\_pembelian,

p.jumlah AS jumlah\_pembelian,

p.harga AS harga\_pembelian,

pr.nama AS nama\_produk,

v.nama AS nama\_vendor,

v.kontak AS kontak\_vendor

FROM Pembelian p

INNER JOIN Produk pr ON p.produk\_id = pr.id

INNER JOIN Vendor v ON p.vendor\_id = v.id;

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Pesanan** | | | **Pelanggan** | **Produk** | | **Jenis produk** | **Pesanan items** | |
| id | tanggal | total | nama | kode | nama | nama | qty | harga\_jual |

CREATE VIEW view\_pesanan AS

SELECT

pesanan.id AS pesanan\_id,

pesanan.tanggal AS tanggal\_pesanan,

pesanan.total AS total\_pesanan,

pelanggan.nama AS nama\_pelanggan,

produk.kode AS kode\_produk,

produk.nama AS nama\_produk,

jenis\_produk.nama AS nama\_jenis\_produk,

pesanan\_items.qty AS qty\_pesanan\_items,

pesanan\_items.harga AS harga\_jual

FROM pesanan

INNER JOIN pelanggan ON pesanan.pelanggan\_id = pelanggan.id

INNER JOIN pesanan\_items ON pesanan.id = pesanan\_items.pesanan\_id

INNER JOIN produk ON pesanan\_items.produk\_id = produk.id

INNER JOIN jenis\_produk ON produk.jenis\_produk\_id = jenis\_produk.id;

SOAL 5.2

1. Buatlah sebuah transaction dengan skenario-skenario statement sebagai berikut:

* Mulai transaction

START TRANSACTION;

* Insert data produk sebanyak 3 record

INSERT INTO produk (kode, nama, harga\_beli, harga\_jual, stok, min\_stok, jenis\_produk\_id)

VALUES

('k0001', 'Kursi', 500000, 700000, 4, 2, 2),

('mb001', 'macbook', 15000000, 17000000, 6, 3, 5),

('ip001', 'iphone', 23000000, 24000000, 6, 4, 1);

* Update data stok salah satu produk

UPDATE produk SET min\_stok = 4 WHERE nama = 'macbook';

* Buat savepoint

SAVEPOINT produk;

* Hapus salah satu data pembayaran

DELETE FROM pembayaran WHERE id = 1;

* Kembali ke savepoint

ROLLBACK TO produk;

* Update data iuran salah satu kartu

UPDATE kartu SET iuran = 60000 WHERE kode = 'SLV';

* Akhiri transaction dengan commit

Commit;

*START TRANSACTION ...*