View & Transacstion

Worksheet 5

Nama : Wa Bida

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 pembelian.id, pembelian.tanggal, pembelian.nomor, pembelian.jumlah, pembelian.harga, produk.nama, vendor.nama as nama\_vendor, vendor.kontak FROM pembelian INNER JOIN produk ON pembelian.produk\_id = produk.id INNER JOIN vendor ON pembelian.vendor\_id = vendor.id;*

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

*CREATE VIEW pesanan\_pelanggan\_produk\_jenis\_produk\_pesanan\_items*

*-> AS SELECT pesanan.id AS pesanan\_id, pesanan.tanggal, pesanan.total,*

*-> 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, pesanan\_items.harga*

*-> 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.iINNER 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

*MariaDB [dbkoperasi]> START TRANSACTION;*

*Query OK, 0 rows affected (0.087 sec)*

* Insert data produk sebanyak 3 record

*MariaDB [dbkoperasi]> INSERT INTO produk (kode, nama, harga\_beli, harga\_jual, stok, min\_stok, jenis\_produk\_id) VALUES*

*-> ('LK01','Lemari Kayu', 500000, 750000, 10, 5, 2),*

*-> ('LP02','Lemari Plastik', 400000, 650000, 9, 4, 2),*

*-> ('ES01','Es Nutrisari', 6000, 8000, 20, 10, 4);*

*Query OK, 3 rows affected (0.003 sec)*

*Records: 3 Duplicates: 0 Warnings: 0*

* Update data stok salah satu produk

*MariaDB [dbkoperasi]> UPDATE produk SET stok ='30' WHERE id=13;*

*Query OK, 1 row affected (0.093 sec)*

*Rows matched: 1 Changed: 1 Warnings: 0*

* Buat savepoint

*MariaDB [dbkoperasi]> SAVEPOINT update\_produk;*

*Query OK, 0 rows affected (0.000 sec)*

* Hapus salah satu data produk

*MariaDB [dbkoperasi]> DELETE FROM produk WHERE id=13;*

*Query OK, 1 row affected (0.110 sec)*

* Kembali ke savepoint

*MariaDB [dbkoperasi]> ROLLBACK to update\_produk;*

*Query OK, 0 rows affected (0.088 sec)*

* Update data iuran salah satu kartu

*MariaDB [dbkoperasi]> UPDATE kartu SET iuran = 25000 WHERE id=6;*

*Query OK, 1 row affected (0.110 sec)*

*Rows matched: 1 Changed: 1 Warnings: 0*

* Akhiri transaction dengan commit

*COMMIT;*

*Query OK, 0 rows affected (0.002 sec)*