

LAPORAN PRAKTIKUM PEMROGRAMAN BASIS DATA

PERTEMUAN PRAKTIKUM KE-[12]



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VIEW

1. Buat perintah untuk menyajikan data dari beberapa tabel menggunakan JOIN

Jawab:

```
CREATE VIEW v_customer_all AS
SELECT customer_id, name, address, region_id
FROM Customers;
SELECT * FROM v_customer_all;
```














































				customer_id	name	address	region_id
<input type="checkbox"/>				CUS-000001	Bagus Nur Hakim	Jakarta	WL001
<input type="checkbox"/>				CUS-000002	Putri Kharisma	Yogyakarta	WL002
<input type="checkbox"/>				CUS-000003	Aliany Milawaty	Yogyakarta	WL002
<input type="checkbox"/>				CUS-000004	Yudha Adisaputra	Solo	WL005
<input type="checkbox"/>				CUS-000005	Nurafni Oktaviani	Surabaya	WL003
<input type="checkbox"/>				CUS-000006	Meilia	Bandung	WL004
<input type="checkbox"/>				CUS-000007	Aulia Luthfi Anna	Jakarta	WL001
<input type="checkbox"/>				CUS-000008	Ichzam Rusmana	Medan	WL007
<input type="checkbox"/>				CUS-000009	Tri Yulianti	Makasar	WL006
<input type="checkbox"/>				CUS-000010	Ervina Jayanti	Surabaya	WL003
<input type="checkbox"/>				CUS-000011	Desi Wulandari	Yogyakarta	WL002
<input type="checkbox"/>				CUS-000012	Sukma Tri Setia	Medan	WL007
<input type="checkbox"/>				CUS-000013	Abinaya Basupati	Jakarta	WL001
<input type="checkbox"/>				CUS-000014	Hadrian Gustin Alvaro	Jakarta	WL001
<input type="checkbox"/>				CUS-000015	Nathania Earline	Surabaya	WL003

2. Buat sebuah vertical view menggunakan tabel customers. Nama view:

v_customer_limited

Jawab:

```
CREATE VIEW v_customer_limited AS
SELECT customer_id, name
FROM Customers;
SELECT * FROM v_customer_limited;
```

				customer_id	name	
<input type="checkbox"/>		Edit	 Copy	 Delete	CUS-000001	Bagus Nur Hakim
<input type="checkbox"/>		Edit	 Copy	 Delete	CUS-000002	Putri Kharisma
<input type="checkbox"/>		Edit	 Copy	 Delete	CUS-000003	Aliany Milawaty
<input type="checkbox"/>		Edit	 Copy	 Delete	CUS-000004	Yudha Adisaputra
<input type="checkbox"/>		Edit	 Copy	 Delete	CUS-000005	Nurafni Oktaviani
<input type="checkbox"/>		Edit	 Copy	 Delete	CUS-000006	Meilia
<input type="checkbox"/>		Edit	 Copy	 Delete	CUS-000007	Aulia Luthfi Anna
<input type="checkbox"/>		Edit	 Copy	 Delete	CUS-000008	Ichzam Rusmana
<input type="checkbox"/>		Edit	 Copy	 Delete	CUS-000009	Tri Yulianti
<input type="checkbox"/>		Edit	 Copy	 Delete	CUS-000010	Ervina Jayanti
<input type="checkbox"/>		Edit	 Copy	 Delete	CUS-000011	Desi Wulandari
<input type="checkbox"/>		Edit	 Copy	 Delete	CUS-000012	Sukma Tri Setia
<input type="checkbox"/>		Edit	 Copy	 Delete	CUS-000013	Abinaya Basupati
<input type="checkbox"/>		Edit	 Copy	 Delete	CUS-000014	Hadrian Gustin Alvaro
<input type="checkbox"/>		Edit	 Copy	 Delete	CUS-000015	Nathania Earline

3. Buat sebuah view dengan result-set berikut. Margin berasal dari selisih harga jual dan harga beli. Perhatikan urutan result-set berdasarkan margin DESC. Nama view: v_item_margin_all

Jawab:

```
CREATE VIEW v_item_margin_all AS
SELECT
    item_id,
    name,
    selling_price - purchasing_price AS MARGIN
FROM
```

```

Items
ORDER BY
    MARGIN DESC;
SELECT * FROM v_item_margin_all;

```

▼	item_id	name	MARGIN
delete	CG-006-IT000035	Tupperware Blossom Series	5775000.00
delete	CG-006-IT000039	Sport Bottle 600ml	615000.00
delete	CG-006-IT000036	Oxone Juicer OX-965	100000.00
delete	CG-005-IT000031	Prada Prem Curtain	100000.00
delete	CG-005-IT000029	Minimalis Sofa L	100000.00
delete	CG-004-IT000028	Medical Pro Bags	90000.00
delete	CG-005-IT000030	Bellin Desk Pink	49000.00
delete	CG-001-IT000005	Levis Design Walet	15000.00
delete	CG-002-IT000019	Line Long Tunik Blouse	15000.00
delete	CG-002-IT000013	Sweater Tribal Gazilo	15000.00
delete	CG-003-IT000021	Babyliss Pro Curl	14000.00
delete	CG-006-IT000038	Vicenza Dining Set	11000.00
delete	CG-002-IT000012	Hoddies Auntumn Coat	10000.00
delete	CG-001-IT000003	Porsche Design Sunglass	10000.00
delete	CG-005-IT000033	Lady American Mattress Protector	10000.00
delete	CG-004-IT000027	MSI Bio Spray	10000.00
delete	CG-003-IT000025	Naked 3 Palette	10000.00
delete	CG-001-IT000008	Rossy Net Silver NCK	10000.00
delete	CG-002-IT000017	Jadore Blouse	9000.00
delete	CG-001-IT000006	Swarovski JAQ-001	7000.00
delete	CG-003-IT000024	Rosemary Essential Oil	5000.00

4. Menggunakan view nomor 3, buat sebuah view dengan margin > 15000. Nama view: v_item_margin_limited
Jawab:

```
CREATE VIEW v_item_margin_limited AS
SELECT item_id, name, MARGIN
FROM v_item_margin_all
WHERE MARGIN > 15000
ORDER BY MARGIN DESC;
SELECT * FROM v_item_margin_limited;
```

▼	item_id	name	MARGIN
ete	CG-006-IT000035	Tupperware Blossom Series	5775000.00
ete	CG-006-IT000039	Sport Bottle 600ml	615000.00
ete	CG-005-IT000029	Minimalis Sofa L	100000.00
ete	CG-005-IT000031	Prada Prem Curtain	100000.00
ete	CG-006-IT000036	Oxone Juicer OX-965	100000.00
ete	CG-004-IT000028	Medical Pro Bags	90000.00
ete	CG-005-IT000030	Bellin Desk Pink	49000.00

5. Tampilkan daftar seluruh view menggunakan perintah SHOW
Jawab:

```
SHOW FULL TABLES WHERE Table_type = 'VIEW';
```

Tables_in_retail_0240	Table_type
v_customer_all	VIEW
v_customer_limited	VIEW
v_item_margin_all	VIEW
v_item_margin_limited	VIEW


6. Hapus view v_item_margin_all
Jawab:

```
DROP VIEW IF EXISTS v_item_margin_all;
```


7. Eksekusi kembali view v_item_margin_limited. Perhatikan apa yang terjadi, jika error baca error dan pahami errornya.
Jawab:

```
SELECT * FROM v_item_margin_limited;
```

Error

SQL query: [Copy](#) 

```
SELECT * FROM v_item_margin_limited LIMIT 0, 25
```

MySQL said: 

```
#1356 - View 'retail_0240.v_item_margin_limited' references invalid table(s) or column(s) or function(s) or definer/invokee of view lack rights to use them
```

Karena view `v_item_margin_limited` memiliki hubungan dengan `v_item_margin_all` yang telah dihapus maka `v_item_margin_limited` tidak bisa digunakan.