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## Assignment 2

1.

-- Menampilkan data product dengan productlines

```
SELECT * FROM tb_products JOIN tb_productlines ON tb_products.productline = tb_productlines.productline;
```

Results 1

Enter a SQL expression to filter results (use Ctrl+Space)

	123 productcode	abc productname	123 productline	abc productscale	abc productvendor	abc productdescription	123 quantityinstock	123 buyprice	123 msrp	123 productline	abc textdescription	abc htn
1	1	Produk1	1	Scale	Vendor	Description	10	100	150	1	productlines1 txt	produ
2	2	Produk2	2	Scale	Vendor	Description	20	200	250	2	productlines2 txt	produ
3	3	Produk3	3	Scale	Vendor	Description	30	300	350	3	productlines3 txt	produ
4	4	Produk4	4	Scale	Vendor	Description	40	400	450	4	productlines4 txt	produ
5	5	Produk5	1	Scale	Vendor	Description	50	500	550	1	productlines1 txt	produ
6	6	Produk6	2	Scale	Vendor	Description	60	600	650	2	productlines2 txt	produ
7	7	Produk7	3	Scale	Vendor	Description	70	700	750	3	productlines3 txt	produ
8	8	Produk8	4	Scale	Vendor	Description	80	800	850	4	productlines4 txt	produ

2.

-- Menampilkan data dengan FULL JOIN

```
SELECT a1.customernumber, a1.customername, a2.employeenumber, a2.firstname, a3.officecode, a3.city, a4.checknumber, a5.ordernumber, a6.idorderdetails, a7.productcode, a8.productline FROM tb_customers a1 FULL JOIN tb_employees a2 ON a1.salesrepemployeenumber = a2.employeenumber FULL JOIN tb_offices a3 ON a3.officecode = a2.officecode FULL JOIN tb_payments a4 ON a4.customernumber = a1.customernumber FULL JOIN tb_orders a5 ON a5.customernumber = a1.customernumber FULL JOIN tb_orderdetails a6 ON a6.ordernumber = a5.ordernumber FULL JOIN tb_products a7 ON a7.productcode = a6.productcode FULL JOIN tb_productlines a8 ON a8.productline = a7.productline;
```

Results 1

Enter a SQL expression to filter results (use Ctrl+Space)

	123 customernumber	abc customername	123 employeenumber	abc firstname	123 officecode	abc city	123 checknumber	123 ordernumber	123 idorderdetails	123 productcode	123 productline
1	1	Agus001	1	Jon	1	Jakarta	1	1	1	1	1
2	1	Agus001	1	Jon	1	Jakarta	4	1	1	1	1
3	2	Zack002	2	Jen	2	Jakarta	2	2	2	2	2
4	2	Zack002	2	Jen	2	Jakarta	5	2	2	2	2
5	3	Jennifer003	3	Feb	3	Jakarta	3	3	3	4	4
6	4	Tom Hardy004	1	Jon	1	Jakarta	[NULL]	4	4	7	3
7	5	Liana005	2	Jen	2	Jakarta	[NULL]	5	5	8	4
8	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	3	3
9	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	6	2
10	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	5	1

3.

-- Menampilkan order yang dilakukan customer serta payments yang dilakukan

```
SELECT a.ordernumber, a.status, b.customernumber, b.customername, c.paymentdate, c.amount FROM tb_orders a JOIN tb_customers b ON a.customernumber = b.customernumber JOIN tb_payments c ON b.customernumber = c.customernumber;
```

--NOTE : Agus dan Zack melakukan 2 kali order.

Results 1

Enter a SQL expression to filter results (use Ctrl+Space)

	123 ordernumber	abc status	123 customernumber	abc customername	123 paymentdate	123 amount
1	1	Done	1	Agus001	2010-10-11	250,000
2	1	Done	1	Agus001	2010-10-11	250,000
3	2	Done	2	Zack002	2010-10-11	250,000
4	2	Done	2	Zack002	2010-10-11	250,000
5	3	Done	3	Jennifer003	2010-10-11	250,000

4.

-- Menampilkan data karyawan yang bertitle CEO serta data officenya

```
SELECT a.employeeNumber, a.firstname, a.jobtitle, b.officecode, b.city
FROM tb_employees a JOIN tb_offices b ON a.officecode = b.officecode
WHERE a.jobtitle = 'CEO';
```

Results 1

SELECT a.employeeNumber, a.firstname, a.jobtitle, b.officecode, b.city

	employeeNumber	firstname	jobtitle	officecode	city
1	1	Jon	CEO	1	Jakarta

5.

-- Menampilkan produk yang laku

```
SELECT a.productcode, a.productname, b.orderNumber, b.quantityordered, b.priceeach
FROM tb_products a RIGHT JOIN tb_orderdetails b ON a.productcode = b.productcode;
```

Results 1

SELECT a.productcode, a.productname, b.orderNumber, b.quantityordered, b.priceeach

	productcode	productname	orderNumber	quantityordered	priceeach
1	1	Produk1	1	5	200
2	2	Produk2	2	10	400
3	4	Produk4	3	20	800
4	7	Produk7	4	35	1,400
5	8	Produk8	5	40	1,600