

--soal no 1

```
select categoryname, count(distinct productid) as total_produk from products p
join categories c
on p.categoryid = c.categoryid
group by categoryname;
```

--soal no 2

```
select p.productid, productname, sum(od.unitprice *quantity) as total_value from products p
join order_details od
on p.productid = od.productid
join orders o
on od.orderid = o.orderid
where orderdate between '1997-01-01' and '1997-12-31'
group by p.productid, productname;
```

--soal no 3

```
select c.customerid, c.companyname, sum(unitprice*quantity) as jumlah_transaksi from
customers c
join orders o
on c.customerid = o.customerid
join order_details od
on o.orderid = od.orderid
group by c.customerid, c.companyname
having sum (unitprice*quantity) > 5000;
```

--soal no 4

```
select c.customerid, c.companyname, sum(unitprice*quantity) as jumlah_transaksi from
customers c
```

```

join orders o
on c.customerid = o.customerid
join order_details od
on o.orderid = od.orderid
where o.orderdate between '1997-01-01' and '1997-06-01'
group by c.customerid, c.companyname
having sum (unitprice*quantity) > 5000;

```

--soal no 5

```

select c.companyname as buyer,s.companyname as supplier, sum(od.unitprice*quantity) as
total_sales from customers c
join orders o
on c.customerid = o.customerid
join order_details od
on o.orderid = od.orderid
join products p
on od.productid = p.productid
join suppliers s
on p.supplierid = s.supplierid
group by c.companyname, s.companyname
order by buyer, supplier;

```

--soal no 6

```

select s.companyname, p.productname, c.customerid , c.companyname,
sum(od.unitprice*quantity) as total_produk from suppliers s
join products p
on s.supplierid = p.productid
join order_details od

```

on p.productid = od.productid

join orders o

on od.orderid = o.orderid

join customers c

on o.customerid = c.customerid

group by rollup (s.companyname, p.productname, c.customerid, c.companyname);

--soal no 7

select s.companyname, p.productname, c.customerid, **sum**(od.unitprice*quantity) **as**
total_sales **from** suppliers s

join products p

on s.supplierid = p.productid

join order_details od

on p.productid = od.productid

join orders o

on od.orderid = o.orderid

join customers c

on o.customerid = c.customerid

group by cube (s.companyname, p.productname, c.customerid);