# Screencast 5-4

Window functions – part 2

Database - ADWF


In Postgres it is possible to place window settings separately:
select ... function(...) over w ...
from ...
window w as (window frame), ...


## Task

What is monthly and yearly revenue from selling products in different categories?
Show category name, year, month, and revenue data

```
select distinct pc.name, date_part('y', sh.duedate),
date_part('mon', sh.duedate),
sum(sd.orderqty*sd.unitprice) over yr ,
      sum(sd.orderqty*sd.unitprice) over mon
from
      sales.salesorderheader as sh
      join sales.salesorderdetail as sd using (salesorderid)
      join production.product as p using(productid)
      join production.productsubcategory as psc using(productsubcategoryid)
      join production.productcategory as pc using (productcategoryid)
window yr as (partition by date_part('y', sh.duedate), pc.productcategoryid),
mon as (partition by date_part('y', sh.duedate), date_part('mon', sh.duedate),
pc.productcategoryid)
order by 2 desc, 3 desc, 1
```