**A close up of a sign

Description automatically generated**

**Subqueries (Select Statement)**

**Query 1**

select Dept,

sum([$\_Sold]) as 'Column1',

sum([$\_Sold])/

(select sum([$\_Sold])

from Sales\_08\_09

where datename(month,Date) = 'August') as 'Column2'

from Sales\_08\_09

where datename(month,Date) = 'August'

group by Dept

order by 3 desc

Answer:

from statement is a derived table

Pulling this data from the Sales\_08\_09 table

Outer query saying Pulling total sales $ by dept for the month of August

Subquery saying pull the total sales $ (overall) from Sales\_08\_09 for the month of august

What is the calc doing: calculate the total sales $ by dept for the month of august

divided by the overall Sales $ for the month of august

what does entire query say? Pull the total sales $ by dept and the total sales $ by dept

divided by the overall sales$ for the month of august .sort by the third column in the query from

largest to smallest

**Query 2**

select Dept,

sum([$\_Sold]) as 'Column1',

sum([$\_Sold])/

(select sum([$\_Sold])

from Sales\_08\_09

where datename(month,Date) = 'August') as 'Column2'

from Sales\_08\_09

where datename(month,Date) = 'August'

group by Dept

order by 3 desc

**Query 3**

select Case when right(Item\_ID,2) = 12 then 'Assembly'

when right(Item\_ID,2) = 00 then 'Seasonal'

else 'Regular' end as 'Item\_Status',

sum([$\_Sold]) as 'Column1',

(select count(distinct Date)

from Sales\_08\_09

where datename(month,Date) = 'September') as 'Column2',

sum([$\_Sold])/

(select count(distinct Date)

from Sales\_08\_09

where datename(month,Date) = 'September') as 'Column3'

from Sales\_08\_09

where datename(month,Date) = 'September'

group by Case when right(Item\_ID,2) = 12 then 'Assembly'

when right(Item\_ID,2) = 00 then 'Seasonal'

else 'Regular' end