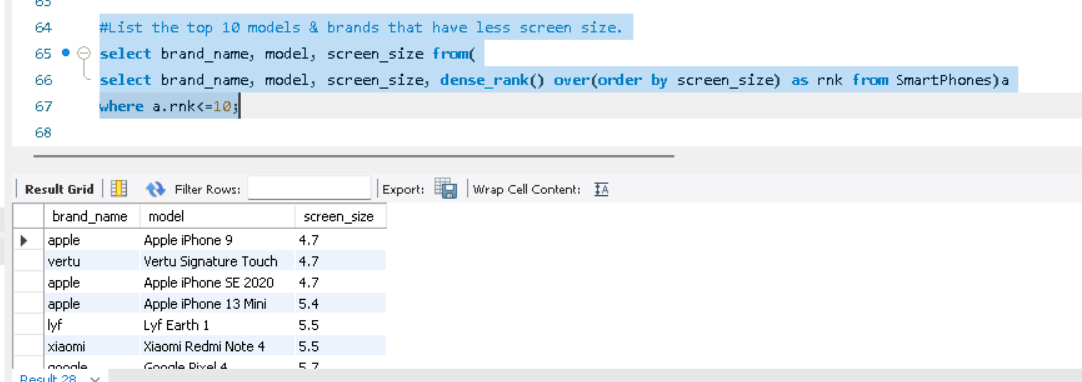
#List the top 10 models & brands that have less screen size.

select brand\_name, model, screen\_size from(

select brand\_name, model, screen\_size, dense\_rank() over(order by screen\_size) as rnk from SmartPhones) a

where a.rnk<=10;

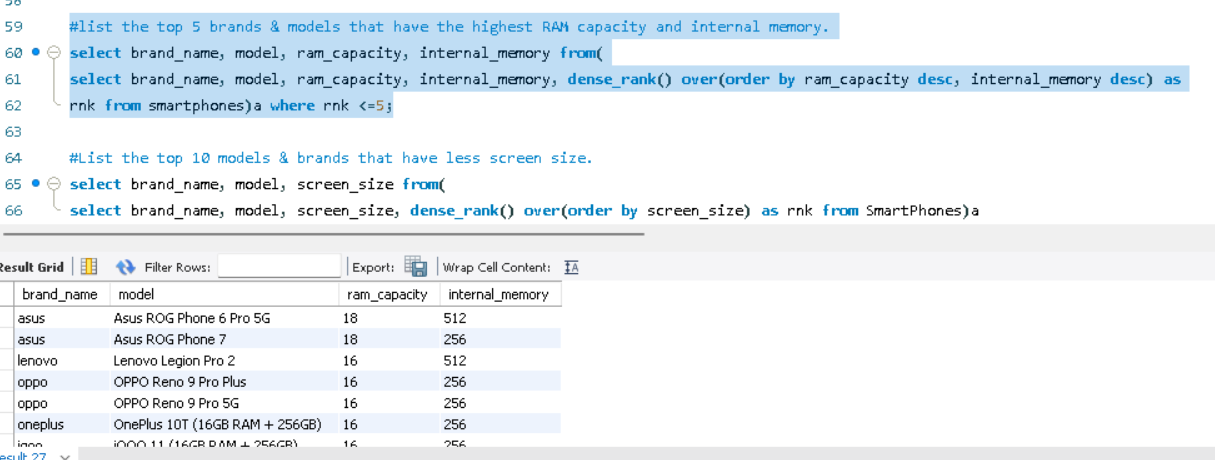


#list the top 5 brands & models that have the highest RAM capacity and internal memory.

select brand\_name, model, ram\_capacity, internal\_memory from(

select brand\_name, model, ram\_capacity, internal\_memory, dense\_rank() over(order by ram\_capacity desc, internal\_memory desc) as

rnk from smartphones)a where rnk <=5;

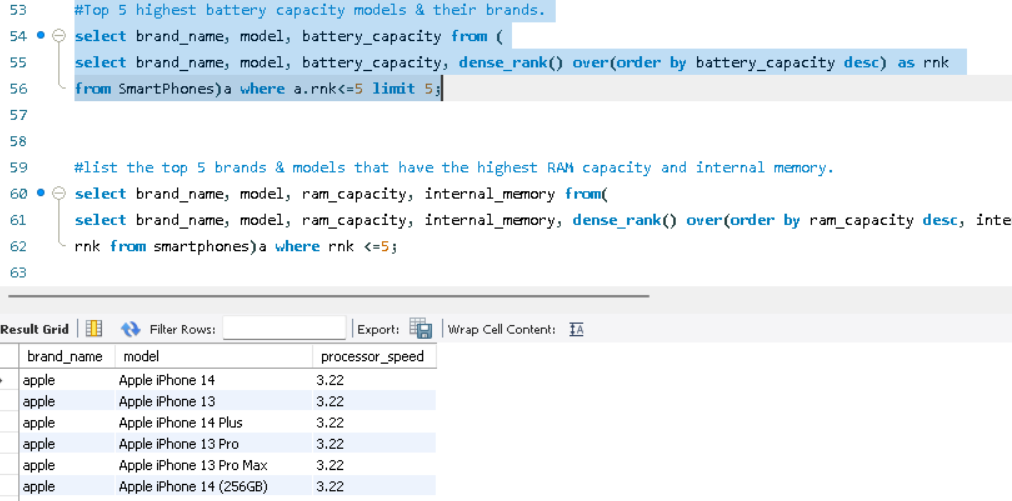


#Top 5 highest battery capacity models & their brands.

select brand\_name, model, battery\_capacity from (

select brand\_name, model, battery\_capacity, dense\_rank() over(order by battery\_capacity desc) as rnk

from SmartPhones)a where a.rnk<=5 limit 5;

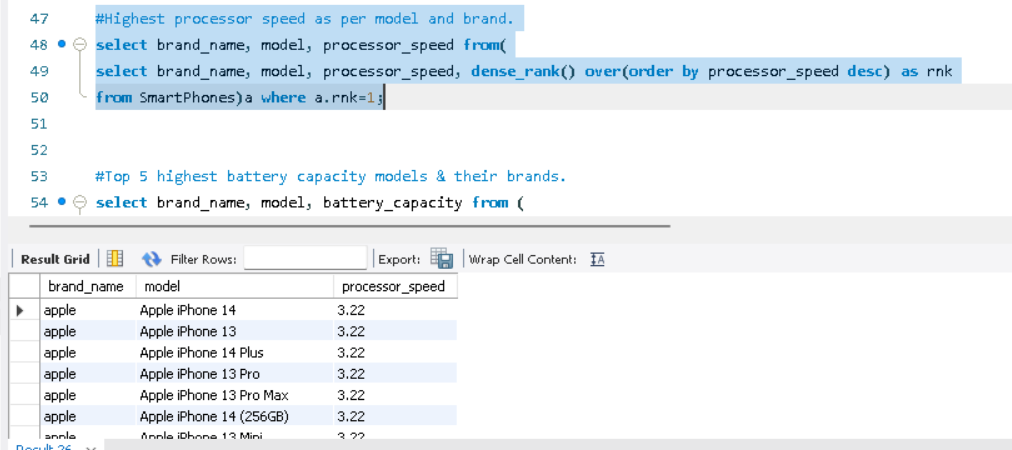
v

#Highest processor speed as per model and brand.

select brand\_name, model, processor\_speed from(

select brand\_name, model, processor\_speed, dense\_rank() over(order by processor\_speed desc) as rnk

from SmartPhones)a where a.rnk=1;



#number of cores per model. rank them by the number of cores.

select \* from ( select distinct model, num\_cores as number\_of\_cores, dense\_rank() over(order by number\_of\_cores) as rnk from smartphones ) a

order by 3;

#Number of processor brands are available? and the number of models per each brand.

select count(distinct processor\_brand) number\_of\_processor\_brand from smartphones;

SELECT

processor\_brand, COUNT(model)

FROM

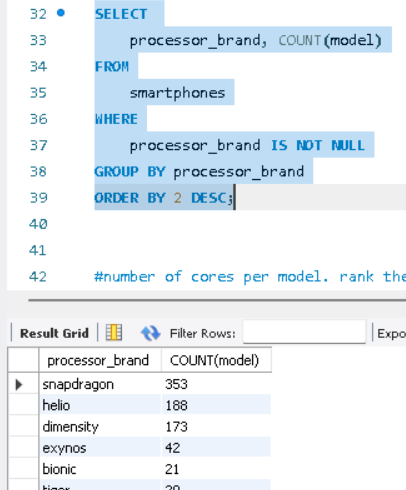
smartphones

WHERE

processor\_brand IS NOT NULL

GROUP BY processor\_brand

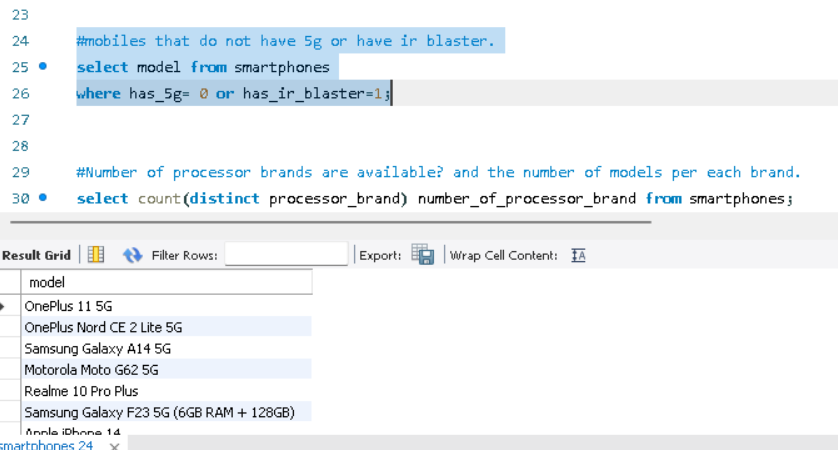
ORDER BY 2 DESC;



#mobiles that do not have 5g or have ir blaster.

select model from smartphones

where has\_5g= 0 or has\_ir\_blaster=1;

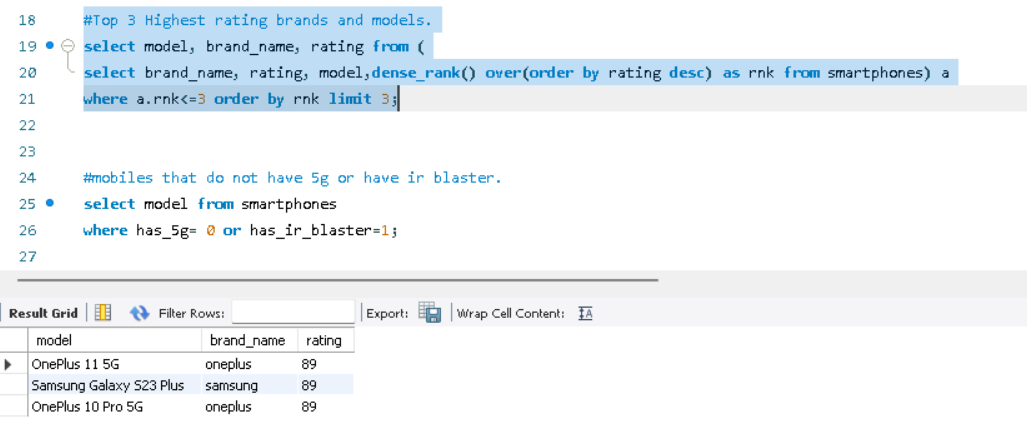


#Top 3 Highest rating brands and models.

select model, brand\_name, rating from (

select brand\_name, rating, model,dense\_rank() over(order by rating desc) as rnk from smartphones) a

where a.rnk<=3 order by rnk limit 3;



#total price of each brand’s mobiles, models, and also brands and their models.

select brand\_name, sum(price) total\_cost from smartphones group by brand\_name order by 1 asc;

select model, sum(price) total\_cost from smartphones group by model order by 1 asc;

select brand\_name,model, sum(price) total\_cost from smartphones group by brand\_name, model order by 1 asc;

