

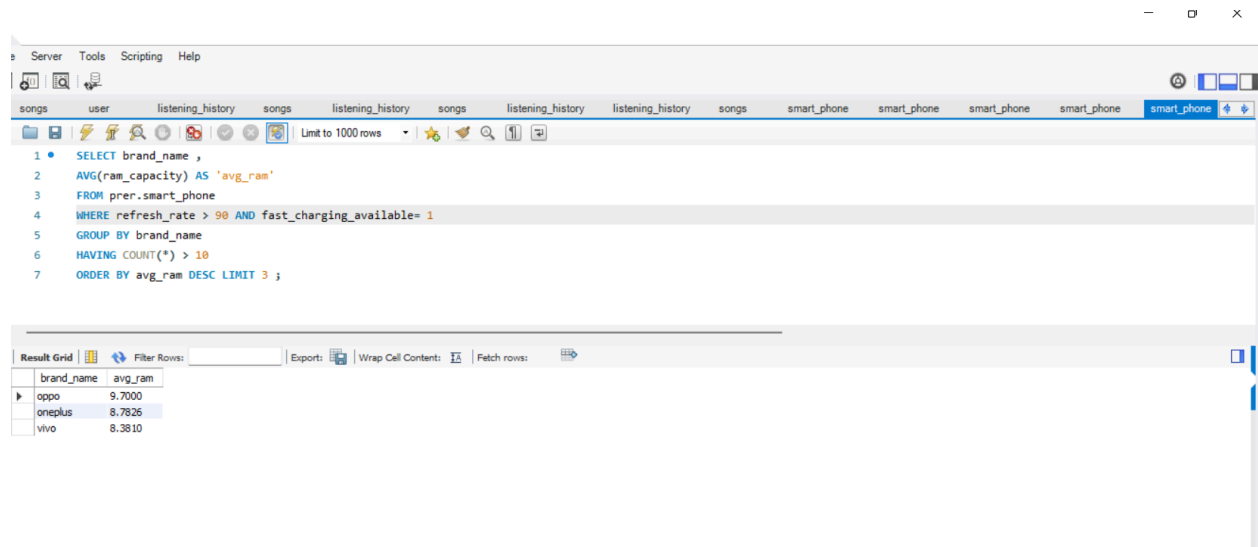
SMARTPHONE DATA ANALYSIS

HAVING CLAUSE

Having clause

1. find the avg rating of smartphone brands which have more than 20 phones
2. Find the top 3 brands with the highest avg ram that have a refresh rate of at least 90 Hz and fast charging available and dont consider brands which have less than 10 phones
3. find the avg price of all the phone brands with avg rating > 70 and num_phones more than 10 among all 5g enabled phones

QUES 2



The screenshot shows a database query editor with a SQL query that filters smartphone brands based on their average RAM and the number of phones they have. The query is as follows:

```
1 SELECT brand_name ,
2 AVG(ram_capacity) AS 'avg_ram'
3 FROM prer.smart_phone
4 WHERE refresh_rate > 90 AND fast_charging_available= 1
5 GROUP BY brand_name
6 HAVING COUNT(*) > 10
7 ORDER BY avg_ram DESC LIMIT 3 ;
```

The result grid below the query shows the top 3 brands with the highest average RAM:

brand_name	avg_ram
oppo	9.7000
oneplus	8.7825
vivo	8.3810

QUES 3

ServerToolsScriptingHelp

ngsuserlistening_historysongslistening_historysongslistening_historylistening_historysongssmart_phonesmart_phonesmart_phonesmart_phonesmart_phone

Limit to 1000 rows

1

2

3

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6

7

SELECT brand_name ,

AVG(price) AS 'avg_price'

FROM pre.smart_phone

WHERE has_5g = 'true'

GROUP BY brand_name

HAVING COUNT(*) > 10 AND AVG(rating) > 70

ORDER BY avg_price DESC ;

Result GridFilter Rows:Export:Wrap Cell Content:

brand_name	avg_price
apple	102705.6875
samsung	40019.5532
oneplus	34373.5484
iqoo	31695.9310
oppo	31540.4681
motorola	28263.3214
vivo	28124.9762
xiaomi	26714.3676
realme	23268.7255
poco	22768.8400