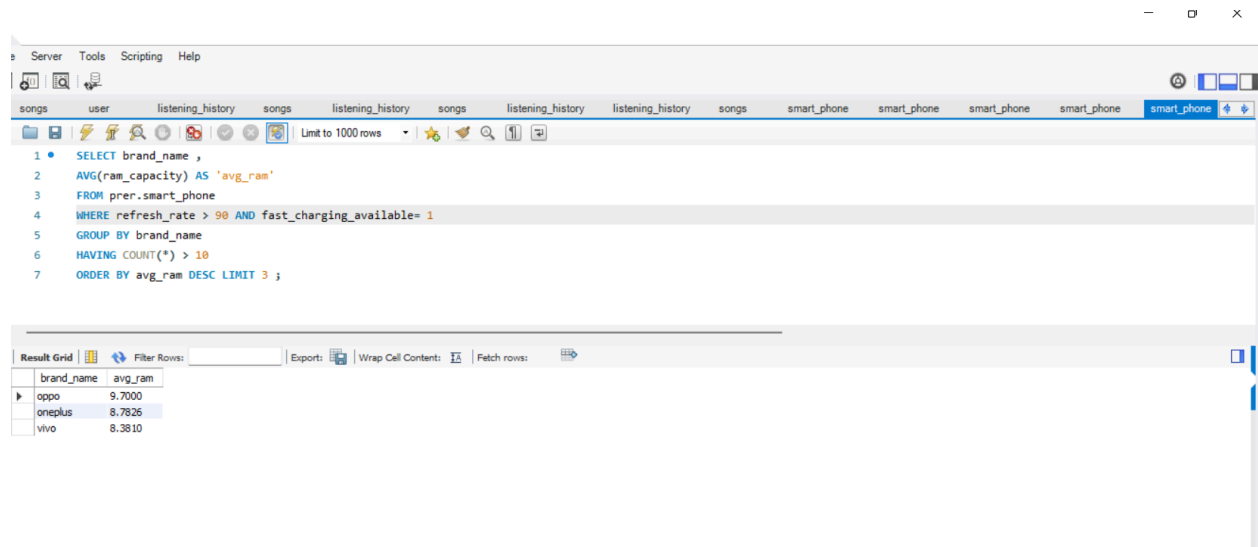# SMARTPHONE DATA ANALYSIS HAVING CLAUSE

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


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

brand_name	avg_ram
oppo	9.7000
oneplus	8.7826
vivo	8.3810

QUES 3

Limit to 1000 rows

```
1   SELECT brand_name ,
2       AVG(price) AS 'avg_price'
3       FROM prer.smart_phone
4       WHERE has_5g = 'true'
5       GROUP BY brand_name
6       HAVING COUNT(*) > 10 AND AVG(rating) > 70
7       ORDER BY avg_price DESC ;
```

Result Grid | Filter 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