

Assignment 3

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1

```
select distinct s.district,
               count(*) over (partition by s.district) sta_num
from (select line_id,
             station_id
     from line_detail
     where line_id = 1) l
     join (select station_id,
                  district
           from stations) s
     on l.station_id = s.station_id
order by sta_num;
```

	district	sta_num
1	Luohu	4
2	Bao'an	8
3	Futian	9
4	Nanshan	9

2

```
select district,
       cnt,
       rank() over (order by cnt desc) ranking
from (select district, count(*) cnt
     from (select distinct line_id, district
           from line_detail
           join stations s
             on line_detail.station_id = s.station_id
             and district <> '') s
     group by district) sub;
```

	district	cnt	ranking
1	Luohu	7	1
2	Futian	7	1
3	Nanshan	6	3
4	Bao'an	3	4
5	Longhua	2	5
6	Longgang	2	5

3

```
select line_id, station_id, cnt
from (select distinct line_id,
                    ld.station_id,
                    count(*) over (partition by ld.station_id) cnt
from line_detail ld
     join bus_lines bl
       on ld.station_id = bl.station_id) as s
where cnt >= 10
order by line_id asc,
         cnt asc,
         station_id desc
limit 10 offset 15;
```

	line_id	station_id	cnt
1	1	17	52
2	1	9	54
3	1	12	59
4	1	3	70
5	1	4	72
6	1	15	110
7	1	11	140
8	2	62	10
9	2	59	10
10	2	63	11

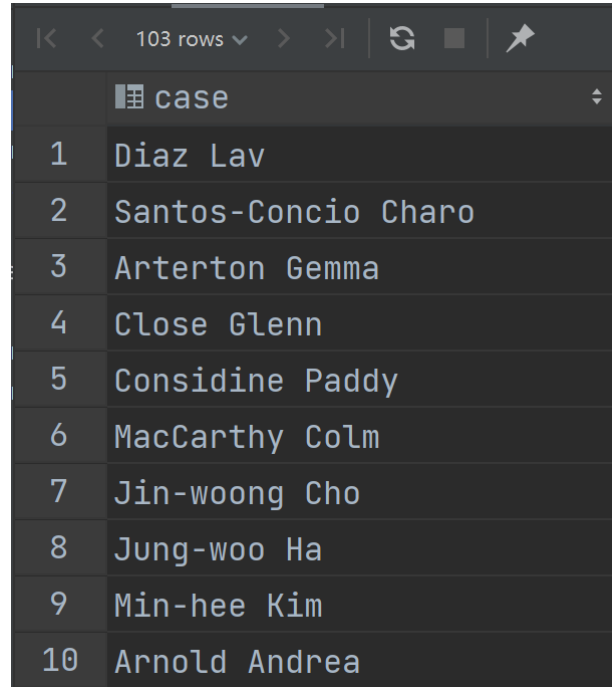
4

```
select case
      when country in ('hk', 'kr') then fn || ' ' || sn
      when country in ('gb', 'ph') then sn || ' ' || fn
      end
from (select coalesce(first_name, '') fn, surname sn, country
from people p
```

```

        join (
select peopleid, country
from movies m
    join credits c
      on m.movieid = c.movieid
      and year_released = 2016
      and country in ('hk', 'kr', 'gb', 'ph')
) s on p.peopleid = s.peopleid) sub;

```



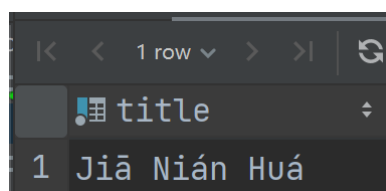
	case
1	Diaz Lav
2	Santos-Concio Charo
3	Arterton Gemma
4	Close Glenn
5	Considine Paddy
6	MacCarthy Colm
7	Jin-woong Cho
8	Jung-woo Ha
9	Min-hee Kim
10	Arnold Andrea

5

```

select distinct title
from (select title,
      cnt,
      max(cnt) over () max_cnt
from (select title,
      count(*) over (partition by title) cnt
from people p
    join (select title, peopleid
from movies m
    join credits c
      on m.movieid = c.movieid
      and year_released >= 2000
      and credited_as = 'A') s
  on p.peopleid = s.peopleid and born >= 2000) sub) ssub
where cnt = max_cnt;

```



	title
1	Jiā Nián Huá

