

Assignment 4

December 17, 2021

1 20pt

The stations on Line 1 distributed in which district? How many stations are there in each district? Please output the district names, the number of stations, and the ranking.

一号线上的车站都分布在哪些区? 这些区每个有多少个属于 1 号线的车站? 请输出这些区名, 车站数量, 以及排名。

2 20pt

Please output how many subway lines pass through each district and the ranking of the number of subway lines in each district.

请输出每个区有多少地铁线路经过, 以及每个区地铁线路数量的排名。

3 20pt

Please output the subway stations with more than or equal to 10 bus stops around the subway station in each line, sorted by 1. ascending order of line id, 2. ascending order according to the count of bus stops, 3. descending order of station id. Your result set only return 10 rows from the 16th row (You can use limit 10 offset 15)

请输出每条线路中地铁站周边公交站多于或等于 10 的地铁车站, 排序依据 1. line id 的升序, 2. 公交车站数的升序, 3. station id 的降序。返回结果集从第 16 行开始保留 10 行

4 20pt

List the names of the known directors of 2016 films by ascending order (no need to display anything about the film). The film only from following regions: kr, hk, gb, ph. If the film is Korean(kr) or HONG KONG(hk), the name should be displayed as surname followed by first name, otherwise it must be first name followed by surname.

hint: Note that coalesce() is required in this version, otherwise all the directors who are only known by one name have a null row returned for them. use coalesce(first_name, ' ') and don't forget to place a single space between surname and first name.

5 20pt

List all films made after 2000 (including 2000) with the max number of actors borned after 2000 (including 2000).