

1. (15) Please find how many stations are there on line 3, not on line 4, and the latitude is above the average?

请求出在三号线上不在四号线上, 并且纬度在平均之上的车站有多少个?

2. (15) Please find out the most frequently-used letter of English names' First letter of stations, and then give the ranking of the number of stations containing this letter by district (from high to low). When different districts have the same number, you can take the default order in postgresql as the order of these districts.

请找出所有地铁站的英文名首字母中出现频率最高的字母, 然后按区给出含有这个字母的地铁站数量的排名(从高到低)。不同区含有相同数值的情况时, 按照postgresql默认排序即可。

3. (20) Each subway line passes through a certain number of stations. As for the subway lines built so far, please output the line_id, opening time, number of subway stations passed by, as well as the change rate of the number of subway stations that each subway line passes through compared with the previous opening one (the result retains two decimal places).

每一条地铁线所经过的地铁站数目是一定的。请输出到目前为止的所有地铁线的id, 开通时间, 所经过的地铁站数, 以及每一条地铁线相较于上一条建的地铁线所经过的地铁站数目的变化率(结果保留两位小数)。

4. (15) Please list the "event" ("line line_id extended/opened" for the opening and extension of the metro line) that occurred between 2008 and 2021. Please output the year and event in ascending order of the year.

列出所有在2008-2021年之间的“事件”(地铁线路的开通与扩展)并按照年限升序排列。

5. (15 use combining query) Find the stations that on metro line 1 and 5, but not on metro line 2. Please output the station id and the corresponding chinese name of the station in ascending order of the station id.

请找出一号线和五号线都经过, 但二号线不经过的站点。输出站点id以及对应中文名称, 按id升序排列。

6. (20) List all connections between any two of MTR line 1,5 and 11, show the target station id, station name and two metro lines' id

列出地铁1、5、11的换乘站, 列出这些换乘站的id, 站名, 以及哪些条地铁在此换乘