HACKERRANK TASKS

1. <https://www.hackerrank.com/challenges/revising-the-select-query/problem?isFullScreen=true>
   1. SELECT \* FROM CITY WHERE POPULATION > 100000 AND COUNTRYCODE = 'USA'
2. <https://www.hackerrank.com/challenges/revising-the-select-query-2/problem?isFullScreen=true&h_r=next-challenge&h_v=zen>
   1. SELECT NAME FROM CITY WHERE POPULATION > 120000 AND COUNTRYCODE ='USA'
3. <https://www.hackerrank.com/challenges/select-all-sql/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>
   1. SELECT \* FROM CITY
4. <https://www.hackerrank.com/challenges/select-by-id/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
   SELECT \* FROM CITY WHERE ID = 1661
5. <https://www.hackerrank.com/challenges/japanese-cities-attributes/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
   SELECT \* FROM CITY WHERE COUNTRYCODE = 'JPN'
6. <https://www.hackerrank.com/challenges/japanese-cities-name/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
   SELECT NAME FROM CITY WHERE COUNTRYCODE = 'JPN'
7. <https://www.hackerrank.com/challenges/weather-observation-station-1/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
   SELECT CITY, STATE FROM STATION
8. <https://www.hackerrank.com/challenges/weather-observation-station-3/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
   SELECT DISTINCT CITY FROM STATION WHERE ID%2 = 0
9. <https://www.hackerrank.com/challenges/weather-observation-station-4/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
   SELECT COUNT(CITY) - COUNT(DISTINCT CITY) FROM STATION;
10. <https://www.hackerrank.com/challenges/weather-observation-station-5/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
    SELECT \* FROM (SELECT DISTINCT city, LENGTH(city) FROM station ORDER BY LENGTH(city) ASC, city ASC) WHERE ROWNUM = 1   
    UNION   
    SELECT \* FROM (SELECT DISTINCT city, LENGTH(city) FROM station ORDER BY LENGTH(city) DESC, city ASC) WHERE ROWNUM = 1;
11. <https://www.hackerrank.com/challenges/weather-observation-station-6/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
    SELECT DISTINCT CITY FROM STATION WHERE CITY LIKE 'A%' OR CITY LIKE 'E%' OR CITY LIKE 'I%' OR CITY LIKE 'O%' OR CITY LIKE 'U%';
12. <https://www.hackerrank.com/challenges/weather-observation-station-7/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
    SELECT DISTINCT CITY FROM STATION WHERE CITY LIKE '%a' OR CITY LIKE '%e' OR CITY LIKE '%i' OR CITY LIKE '%o' OR CITY LIKE '%u';
13. <https://www.hackerrank.com/challenges/weather-observation-station-8/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
    SELECT DISTINCT CITY FROM  
    (SELECT DISTINCT CITY FROM STATION WHERE CITY LIKE 'A%' OR CITY LIKE 'E%' OR CITY LIKE 'I%' OR CITY LIKE 'O%' OR CITY LIKE 'U%')  
    WHERE CITY LIKE '%a' OR CITY LIKE '%e' OR CITY LIKE '%i' OR CITY LIKE '%o' OR CITY LIKE '%u' ;
14. <https://www.hackerrank.com/challenges/weather-observation-station-9/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
    SELECT DISTINCT CITY FROM STATION WHERE not (CITY LIKE 'A%' OR CITY LIKE 'E%' OR CITY LIKE 'I%' OR CITY LIKE 'O%' OR CITY LIKE 'U%');
15. <https://www.hackerrank.com/challenges/weather-observation-station-10/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
    SELECT DISTINCT CITY FROM STATION WHERE NOT (CITY LIKE '%a' OR CITY LIKE '%e' OR CITY LIKE '%i' OR CITY LIKE '%o' OR CITY LIKE '%u');
16. <https://www.hackerrank.com/challenges/weather-observation-station-11/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
    SELECT DISTINCT city FROM station WHERE

(NOT (city LIKE 'A%' OR city LIKE 'E%' OR city LIKE 'I%' OR city LIKE 'O%' OR city LIKE 'U%')

OR NOT(city LIKE '%a' OR city LIKE '%e' OR city LIKE '%i' OR city LIKE '%o' OR city LIKE '%u'));

1. <https://www.hackerrank.com/challenges/weather-observation-station-12/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
   SELECT DISTINCT city FROM station WHERE

NOT ((city LIKE 'A%' OR city LIKE 'E%' OR city LIKE 'I%' OR city LIKE 'O%' OR city LIKE 'U%')

OR (city LIKE '%a' OR city LIKE '%e' OR city LIKE '%i' OR city LIKE '%o' OR city LIKE '%u'));

1. <https://www.hackerrank.com/challenges/more-than-75-marks/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
   SELECT NAME FROM STUDENTS WHERE MARKS > 75 ORDER BY SUBSTR(NAME,LENGTH(NAME)-2,3) ;
2. <https://www.hackerrank.com/challenges/name-of-employees/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
   SELECT NAME FROM EMPLOYEE ORDER BY NAME;
3. <https://www.hackerrank.com/challenges/salary-of-employees/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
   SELECT NAME FROM EMPLOYEE WHERE SALARY > 2000 AND MONTHS <10 ORDER BY EMPLOYEE\_ID;
4. <https://www.hackerrank.com/challenges/what-type-of-triangle/problem?isFullScreen=true>

SELECT CASE

WHEN A + B <= C OR A + C <= B OR B + C <= A THEN 'Not A Triangle'

WHEN A = B AND B = C AND A = C THEN 'Equilateral'

WHEN A = B OR B = C OR A = C THEN 'Isosceles'

ELSE 'Scalene'

END

FROM TRIANGLES;

1. <https://www.hackerrank.com/challenges/average-population/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
   SELECT ROUND(AVG(POPULATION)) FROM CITY
2. <https://www.hackerrank.com/challenges/japan-population/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
   SELECT SUM(POPULATION) FROM CITY WHERE COUNTRYCODE ='JPN';
3. <https://www.hackerrank.com/challenges/population-density-difference/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
   SELECT MAX(POPULATION)-MIN(POPULATION) FROM CITY;
4. <https://www.hackerrank.com/challenges/revising-aggregations-sum/problem?isFullScreen=true>  
   SELECT SUM(POPULATION) FROM CITY WHERE DISTRICT ='California';
5. <https://www.hackerrank.com/challenges/revising-aggregations-the-average-function/problem?isFullScreen=true&h_r=next-challenge&h_v=zen>  
   SELECT AVG(POPULATION) FROM CITY WHERE DISTRICT = 'California';
6. <https://www.hackerrank.com/challenges/revising-aggregations-the-count-function/problem?isFullScreen=true>  
   SELECT COUNT(ID) FROM CITY WHERE POPULATION>100000;
7. <https://www.hackerrank.com/challenges/weather-observation-station-2/problem?isFullScreen=true>  
   SELECT ROUND(SUM(LAT\_N),2), ROUND(SUM(LONG\_W),2) FROM STATION;
8. <https://www.hackerrank.com/challenges/weather-observation-station-13/problem?isFullScreen=true&h_r=next-challenge&h_v=zen>  
   SELECT SUM(LAT\_N) FROM STATION WHERE LAT\_N > 38.7880 AND LAT\_N < 137.2345;
9. <https://www.hackerrank.com/challenges/weather-observation-station-14/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
   SELECT ROUND(MAX(LAT\_N),4) FROM STATION WHERE LAT\_N < 137.2345 ;
10. <https://www.hackerrank.com/challenges/asian-population/problem?isFullScreen=true>

SELECT SUM(CITY.POPULATION) FROM CITY JOIN COUNTRY ON CITY.COUNTRYCODE = COUNTRY.CODE WHERE CONTINENT = 'Asia';

1. <https://www.hackerrank.com/challenges/african-cities/problem?isFullScreen=true&h_r=next-challenge&h_v=zen>

SELECT CITY.NAME FROM CITY JOIN COUNTRY ON CITY.CountryCode = COUNTRY.Code WHERE CONTINENT = 'Africa';

1. <https://www.hackerrank.com/challenges/average-population-of-each-continent/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>

SELECT COUNTRY.CONTINENT, FLOOR (AVG(CITY.POPULATION)) FROM CITY JOIN COUNTRY ON CITY.CountryCode = COUNTRY.Code GROUP BY COUNTRY.CONTINENT;

1. <https://www.hackerrank.com/challenges/weather-observation-station-15/problem?isFullScreen=true>

SELECT ROUND(LONG\_W,4) FROM STATION WHERE LAT\_N = (SELECT MAX(LAT\_N) FROM STATION WHERE LAT\_N <137.2345);

1. <https://www.hackerrank.com/challenges/weather-observation-station-17/problem?isFullScreen=true>

SELECT ROUND(LONG\_W,4) FROM STATION WHERE LAT\_N =(SELECT MIN(LAT\_N) FROM STATION WHERE LAT\_N > 38.7780);

1. <https://www.hackerrank.com/challenges/weather-observation-station-16/problem?isFullScreen=true>

SELECT ROUND(LAT\_N, 4) FROM STATION WHERE LAT\_N =( SELECT MIN(LAT\_N) FROM STATION WHERE LAT\_N > 38.7780);

1. <https://www.hackerrank.com/challenges/earnings-of-employees/problem?isFullScreen=true>  
   SELECT salary\*months AS earnings,

COUNT(employee\_id)

FROM employee

WHERE salary\*months = (select MAX(salary\*months) FROM employee )

GROUP BY 1;

1. <https://www.hackerrank.com/challenges/weather-observation-station-18/problem?isFullScreen=true&h_r=next-challenge&h_v=zen>  
   SELECT ROUND((MAX(LAT\_N)-MIN(LAT\_N)+ MAX(LONG\_W)-MIN(LONG\_W)),4) FROM STATION
2. <https://www.hackerrank.com/challenges/weather-observation-station-19/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
   SELECT ROUND(SQRT(POWER(MAX(LAT\_N)-MIN(LAT\_N),2)+POWER(MAX(LONG\_W)-MIN(LONG\_W),2)),4) FROM STATION;
3. <https://www.hackerrank.com/challenges/weather-observation-station-20/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>  
   SELECT ROUND(MEDIAN(LAT\_N),4) FROM STATION;
4. <https://www.hackerrank.com/challenges/the-pads/problem?isFullScreen=true&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen&h_r=next-challenge&h_v=zen>

SELECT CONCAT(Name, '(', LEFT(occupation,1), ')') AS a FROM occupations

UNION

SELECT CONCAT('There are a total of ', COUNT(occupation), ' ', lower(occupation),'s','.')

FROM occupations

GROUP BY occupation

ORDER BY a