

hacker rank - Search Occupations | HackerRank +

https://www.hackerrank.com/challenges/occupations/problem?isFullScreen=true

HackerRank | Prepare > SQL > Advanced Select > Occupations Exit Full Screen View ↗

Pivot the Occupation column in **OCCUPATIONS** so that each Name is sorted alphabetically and displayed underneath its corresponding Occupation.

The output should consist of four columns (Doctor, Professor, Singer, and Actor) in that specific order, with their respective names listed alphabetically under each column.

Note: Print **NULL** when there are no more names corresponding to an occupation.

Input Format

The **OCCUPATIONS** table is described as follows:

Column	Type
Name	String

```
7  WITH cte as
8  (
9      Select name,Occupation,
10     row_number() over (partition by Occupation order by name) as row_num from
11    OCCUPATIONS
12 )
13 Select
14     max(case when Occupation ='Doctor' then name end) as Doctor,
15     max(case when Occupation ='Professor' then name end) as Professor,
16     max(case when Occupation ='Singer' then name end) as Singer,
17     max(case when Occupation = 'Actor' then name end) as Actor
18 from cte
19 Group by row_num;
20
21 go
```

Line: 9 Col: 28

Upload Code as File Test against custom input

Run Code Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Type here to search

16:47 14-02-2026

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A ⚡ Chat

HackerRank | Prepare SQL Advanced Select Occupations

Exit Full Screen View

Problem

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The output should consist of four columns (Doctor, Professor, Singer, and Actor) in that specific order, with their respective names listed alphabetically under each column.

Note: Print **NULL** when there are no more names corresponding to an occupation.

Input Format

The **OCCUPATIONS** table is described as follows:

Column	Type
Name	String

Single cte to avoid error.

```
6 */  
7 WITH cte as  
8 '  
9 Select occupation.  
Occupation order by name) as row_num from  
' then name end) as Doctor,  
' then name end) as Professor,  
' then name end) as Singer,  
' then name end) as Actor
```

Line: 9 Col: 28

Congrats!

You have earned your 3rd star.

Continue

Upload Code as File

Test against custom input

Run Code

Submit Code

Type here to search

16:49 14-02-2026

hacker rank - Search

Binary Tree Nodes | HackerRank

https://www.hackerrank.com/challenges/binary-search-tree-1/problem?isFullScreen=true

HackerRank | Prepare > SQL > Advanced Select > Binary Tree Nodes

Exit Full Screen View

Problem

You are given a table, BST, containing two columns: N and P, where N represents the value of a node in Binary Tree, and P is the parent of N.

Submissions

Leaderboard

Column Type

N Integer

P Integer

Enter your query here.
Please append a semicolon ";" at the end of the query and enter your query in a single line to avoid error.

```
3 /*  
4 Enter your query here.  
5 Please append a semicolon ";" at the end of the query and enter your query in a  
single line to avoid error.  
6 */  
7 Select N,  
8 case when P is null then 'Root'  
9 when N in (Select P from BST) then 'Inner'  
10 else 'Leaf' end  
11 from BST order by N  
12 go
```

Line: 11 Col: 20

Upload Code as File Test against custom input

Run Code Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Input

Type here to search

Windows Taskbar icons: File Explorer, Google Chrome, Microsoft Edge, Microsoft Word

17:33 14-02-2026

hacker rank - Search

Binary Tree Nodes | HackerRank

https://www.hackerrank.com/challenges/binary-search-tree-1/problem?isFullScreen=true

HackerRank | Prepare > SQL > Advanced Select > Binary Tree Nodes

Exit Full Screen View

You are given a table, BST, containing two columns: N and P, where N represents the value of a node in Binary Tree, and P is the parent of N.

Column Type

N	Integer
P	Integer

Upload Code as File

Test against custom input

Run Code

Submit Code

Problem

Submissions

Leaderboard

You have earned 30.00 points!

You are now 95 points away from the 4th star for your sql badge.

37% 355/450

Congratulations

You solved this challenge. Would you like to challenge your friends? [f](#) [t](#) [in](#)

Next Challenge

Test case 0

Compiler Message

Success

Sample Input

Type here to search

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hacker rank - Search

Revising Aggregations - The Count X

https://www.hackerrank.com/challenges/revising-aggregations-the-count-function/problem?isFullScreen=true

HackerRank | Prepare > SQL > Aggregation > Revising Aggregations - The Count Function

Exit Full Screen View

Problem

Query a count of the number of cities in **CITY** having a Population larger than 100,000.

Input Format

The **CITY** table is described as follows:

Field	Type
ID	NUMBER
NAME	VARCHAR2(17)
COUNTRYCODE	VARCHAR2(3)
DISTRICT	VARCHAR2(20)
POPULATION	NUMBER

your query in a single line to avoid error.

```
6  */
7 Select count(name) as [no. of cities] from CITY where
8 POPULATION>100000
9 go
```

Line: 7 Col: 72

Upload Code as File Test against custom input

Run Code Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

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20:18 14-02-2026

hacker rank - Search

Revising Aggregations - The Sum X

https://www.hackerrank.com/challenges/revising-aggregations-sum/problem?isFullScreen=true

HackerRank | Prepare > SQL > Aggregation > Revising Aggregations - The Sum Function

Exit Full Screen View

Problem

Query the total population of all cities in CITY where District is California.

Input Format

The CITY table is described as follows:

CITY	
Field	Type
ID	NUMBER
NAME	VARCHAR2(17)
COUNTRYCODE	VARCHAR2(3)
DISTRICT	VARCHAR2(20)
POPULATION	NUMBER

Submissions

Leaderboard

```
your query in a single line to avoid error.
6 */
7 Select sum(Population) from CITY where District='California'
8 go
```

Line: 7 Col: 23

Upload Code as File Test against custom input

Run Code Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Type here to search

20:27 14-02-2026

hacker rank - Search

Revising Aggregations - Averages | X

https://www.hackerrank.com/challenges/revising-aggregations-the-average-function/problem?isFullScreen=true

HackerRank | Prepare > SQL > Aggregation > Revising Aggregations - Averages

Exit Full Screen View

Problem

Query the average population of all cities in **CITY** where District is California.

Input Format

The **CITY** table is described as follows:

Field	Type
ID	NUMBER
NAME	VARCHAR2(17)
COUNTRYCODE	VARCHAR2(3)
DISTRICT	VARCHAR2(20)
POPULATION	NUMBER

5 Please append a semicolon ";" at the end of the query and enter your query in a single line to avoid error.
6 */
7 Select avg(Population) as [Average population of all cities] from CITY where District='California'
8 go

Line: 7 Col: 99

Upload Code as File Test against custom input

Run Code Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

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20:38 14-02-2026

hacker rank - Search Average Population | HackerRank +

https://www.hackerrank.com/challenges/average-population/problem?isFullScreen=true

Average Population

Exit Full Screen View

Problem

Query the average population for all cities in CITY, rounded down to the nearest integer.

Input Format

The CITY table is described as follows:

CITY	
Field	Type
ID	NUMBER
NAME	VARCHAR2(17)
COUNTRYCODE	VARCHAR2(3)
DISTRICT	VARCHAR2(20)
POPULATION	NUMBER

query in a single line to avoid error.
*/
Select round(avg(population),-1) as [Average population] from CITY
go

Line: 8 Col: 3

Upload Code as File Test against custom input

Run Code Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Type here to search

20:53 14-02-2026

hacker rank - Search

Japan Population | HackerRank

https://www.hackerrank.com/challenges/japan-population/problem?isFullScreen=true

HackerRank | Prepare > SQL > Aggregation > Japan Population

Exit Full Screen View

Problem

Query the sum of the populations for all Japanese cities in CITY. The COUNTRYCODE for Japan is JPN.

Input Format

The CITY table is described as follows:

CITY

Field	Type
ID	NUMBER
NAME	VARCHAR2(17)
COUNTRYCODE	VARCHAR2(3)
DISTRICT	VARCHAR2(20)
POPULATION	NUMBER

Submissions

Leaderboard

query in a single line to avoid error.

```
6 /*
7 Select sum(Population) [Total population of all japanese cities] from
CITY where COUNTRYCODE='JPN'
8 go
```

Line: 7 Col: 64

Upload Code as File Test against custom input

Run Code Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Type here to search

21:03 14-02-2026

hacker rank - Search

Population Density Difference | Ha X

https://www.hackerrank.com/challenges/population-density-difference/problem?isFullScreen=true

HackerRank | Prepare > SQL > Aggregation > Population Density Difference

Exit Full Screen View

Problem

Query the difference between the maximum and minimum populations in CITY.

Input Format

The CITY table is described as follows:

CITY	
Field	Type
ID	NUMBER
NAME	VARCHAR2(17)
COUNTRYCODE	VARCHAR2(3)
DISTRICT	VARCHAR2(20)
POPULATION	NUMBER

5 Please append a semicolon ";" at the end of the query and enter your query in a single line to avoid error.

6 */

7 Select max(Population)-min(Population) from City

8 go

Line: 7 Col: 40

Upload Code as File Test against custom input

Run Code Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Type here to search

21:13 14-02-2026