

# Hexaware Coding Challenge Plan Day - 12

## Problem - 1 Select

**HackerRank** Prepare > SQL > Basic Select > Revising the Select Query I

Exit Full Screen View

Problem

Submissions

Leaderboard

Discussions

Query all columns for all American cities in the **CITY** table with populations larger than 100000. The **CountryCode** for America is USA.

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

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

**Congratulations**

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

Next Challenge

Test case 0

Compiler Message

Success

Input (stdin)

Download

Expected Output

Download

1 3878 Scottsdale USA Arizona 202705

2 3965 Corona USA California 124966

3 3973 Concord USA California 121780

4 3977 Cedar Rapids USA Iowa 120758

5 3982 Coral Springs USA Florida 117549

## Problem - 2 Join

**HackerRank** Prepare > SQL > Advanced Join > SQL Project Planning

Exit Full Screen View

Problem

Submissions

Leaderboard

Discussions

You are given a table, Projects, containing three columns: Task\_ID, Start\_Date and End\_Date. It is guaranteed that the difference between the End\_Date and the Start\_Date is equal to 1 day for each row in the table.

Column	Type
Task_ID	Integer
Start_Date	Date
End_Date	Date

If the End\_Date of the tasks are consecutive, then they are part of the same project. Samantha is interested in finding the total number of different projects completed.

Write a query to output the start and end dates of projects listed by the number of days it took to complete the project in ascending order. If there is more than one project that have the same number of completion days, then order by the start date of the project.

Sample Input

Task_ID	Start_Date	End_Date
1	2015-10-15	2015-10-16
2	2015-10-17	2015-10-18
3	2015-10-19	2015-10-20
4	2015-10-21	2015-10-22

You have earned 40.00 points!  
You are now 105 points away from the 4th star for your sql badge.

30%

345/450

**Congratulations**

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

Next Challenge

Test case 0

Compiler Message

Success

Input (stdin)

Download

Expected Output

Download

1 INPUT

2 2015-10-15 2015-10-16

3 2015-10-17 2015-10-18

4 2015-10-19 2015-10-20

5 2015-10-21 2015-10-22

## Problem - 3 Join

Problem

Submissions

Leaderboard

Discussions

HackerRank

Prepare > SQL > Advanced Join > Placements

Exit Full Screen View

You are given three tables: Students, Friends and Packages. Students contains two columns: ID and Name. Friends contains two columns: ID and Friend\_ID (ID of the ONLY best friend). Packages contains two columns: ID and Salary (offered salary in \$ thousands per month).

Column	Type
ID	Integer
Name	String

Students

Column	Type
ID	Integer
Friend_ID	Integer

Friends

Column	Type
ID	Integer
Salary	Float

Packages

You have earned 40.00 points!

You are now 65 points away from the 4th star for your sql badge.

57%

385/450

Congratulations

You solved this challenge. Would you like to challenge your friends?

[f](#)[t](#)[in](#)

Next Challenge

Test case 0

Compiler Message

Success

Input (stdin)

Download

1 INPUT

Expected Output

Download

1 Stuart

2 Priyanka

3 Paige

4 Jane

5 Julia

## Problem - 4 Join

Problem

Submissions

Leaderboard

Discussions

HackerRank

Prepare > SQL > Advanced Join > Symmetric Pairs

Exit Full Screen View

You are given a table, Functions, containing two columns: X and Y.

Column	Type
X	Integer
Y	Integer

Two pairs  $(X_1, Y_1)$  and  $(X_2, Y_2)$  are said to be symmetric pairs if  $X_1 = Y_2$  and  $X_2 = Y_1$ . Write a query to output all such symmetric pairs in ascending order by the value of X. List the rows such that  $X_1 \leq Y_1$ .

Sample Input

X	Y
20	20
20	20
20	21
23	22
22	23

You have earned 40.00 points!

You are now 25 points away from the 4th star for your sql badge.

83%

425/450

Congratulations

You solved this challenge. Would you like to challenge your friends?

[f](#)[t](#)[in](#)

Next Challenge

Test case 0

Success

Input (stdin)

Download

1 INPUT

Expected Output

Download

1 2 24

2 4 22

3 5 21

4 6 20

5 8 18

6 9 17

7 11 15

## Problem - 5 Join

Problem

Submissions

Leaderboard

Discussions

### HackerRank

Prepare > SQL > Advanced Join > Interviews

Samantha interviews many candidates from different colleges using coding challenges and contests. Write a query to print the contest\_id, hacker\_id, name, and the sums of total\_submissions, total\_accepted\_submissions, total\_views, and total\_unique\_views for each contest sorted by contest\_id. Exclude the contest from the result if all four sums are 0.

**Note:** A specific contest can be used to screen candidates at more than one college, but each college only holds 1 screening contest.

**Input Format**

The following tables hold interview data:

- Contests: The contest\_id is the id of the contest, hacker\_id is the id of the hacker who created the contest, and name is the name of the hacker.

Column	Type
contest_id	Integer
hacker_id	Integer
name	String

- Colleges: The college\_id is the id of the college, and contest\_id is the id of the contest that Samantha used to screen the candidates.

Exit Full Screen View

You have earned 50.00 points!

You are now 175 points away from the gold level for your sql badge.

13%

475/650

### Congratulations

You solved this challenge. Would you like to challenge your friends?

[f](#) [t](#) [in](#)

Next Challenge

Test case 0

Compiler Message

Success

Input (stdin)

1 INPUT

Expected Output

1 845 579 Rose 1987 580 1635 566

2 858 1053 Angela 703 160 1002 384

3 883 1055 Frank 1121 319 1217 338

4 1793 2655 Patrick 1337 360 1216 412