


# Hexaware Coding Challenge Plan Day - 16

## Problem - 1 Aggregation



You have earned 40.00 points!  
42/58 challenges solved.

72%

### Congratulations

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

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✓ **Test case 0**

Compiler Message

Success

Input (stdin) [Download](#)

1	INPUT
---	-------

Expected Output [Download](#)

1	83.8913
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## Problem - 2 Select

HackerRank **Prepare** > SQL > Advanced Select > New Companies

Amber's conglomerate corporation just acquired some new companies. Each of the companies follows this hierarchy:

Founder

↳ Lead Manager

↳ Senior Manager

↳ Manager

↳ Employee


Given the table schemas below, write a query to print the company\_code, founder name, total number of lead managers, total number of senior managers, total number of managers, and total number of employees. Order your output by ascending company\_code.

**Note:**

- The tables may contain duplicate records.
- The company\_code is string, so the sorting should not be **numeric**. For example, if the company\_codes are C\_1, C\_2, and C\_10, then the ascending company\_codes will be C\_1, C\_10, and C\_2.

**Input Format**

The following tables contain company data:



You have earned 30.00 points!  
43/58 challenges solved.

74%

### Congratulations

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✓ **Test case 0**

Input (stdin) [Download](#)

1	INPUT
---	-------

Expected Output [Download](#)

1	C1 Angela 1 2 5 13
2	C10 Earl 1 1 2 3
3	C100 Aaron 1 2 4 10
4	C11 Robert 1 1 1 1
5	C12 Amy 1 2 6 14
6	C13 Pamela 1 2 5 14
7	C14 Maria 1 1 3 5
8	C15 Joe 1 1 2 3
9	C16 Linda 1 1 3 5

## Problem - 3 Select

Problem

Submissions

Leaderboard

Discussions

**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 column headers should be Doctor, Professor, Singer, and Actor, respectively.

**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
Occupation	String

Occupation will only contain one of the following values: **Doctor**, **Professor**, **Singer** or **Actor**.

**Sample Input**

Name	Occupation
Samantha	Doctor
Julia	Professor
Ashley	Singer
Eve	Actor

You have earned 30.00 points!

44/58 challenges solved.

76%

Congratulations

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

Next Challenge

Test case 0

Download

Download

1 INPUT

Expected Output

Download

1 Aamina Ashley Christeen Eve

2 Julia Belvet Jane Jennifer

3 Priya Britney Jenny Ketty

4 NULL Maria Kristeen Samantha

5 NULL Meera NULL NULL

6 NULL Naomi NULL NULL

7 NULL Priyanka NULL NULL

## Problem - 4 Select

Problem

Submissions

Leaderboard

Discussions

**HackerRank**

Prepare > SQL > Advanced Select > Type of Triangle

Exit Full Screen View

Write a query identifying the type of each record in the **TRIANGLES** table using its three side lengths. Output one of the following statements for each record in the table:

- **Equilateral:** It's a triangle with 3 sides of equal length.
- **Isosceles:** It's a triangle with 2 sides of equal length.
- **Scalene:** It's a triangle with 3 sides of differing lengths.
- **Not A Triangle:** The given values of A, B, and C don't form a triangle.

**Input Format**

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

Column	Type
A	Integer
B	Integer
C	Integer

Each row in the table denotes the lengths of each of a triangle's three sides.

**Sample Input**

A	B	C
10	10	10
20	20	30
30	40	50
1	1	1
1	2	3
1	3	3
1	3	4
1	4	4
1	4	5
1	5	5
1	5	6
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1	224	2

## Problem - 5 Select

**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

Write a query to find the node type of Binary Tree ordered by the value of the node.  
Output one of the following for each node:

- Root: If node is root node.
- Leaf: If node is leaf node.
- Inner: If node is neither root nor leaf node.

**Sample Input**

N	P
1	2
3	2
6	8

You have earned 30.00 points!  
46/58 challenges solved.

79%

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

**Test case 0**

1	1 Leaf
2	2 Inner
3	3 Leaf
4	4 Inner
5	5 Leaf
6	6 Inner
7	7 Leaf
8	8 Leaf
9	9 Inner
10	10 Leaf
11	11 Inner
12	12 Leaf

## MySQL Assessment - Basic

