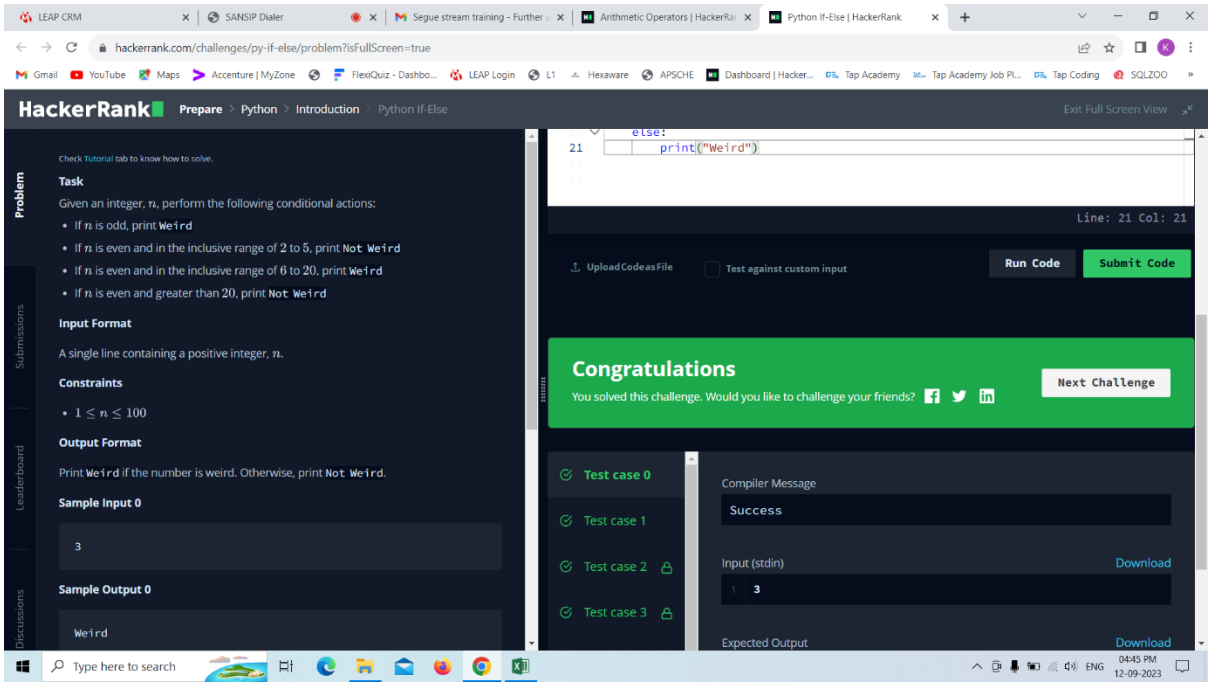
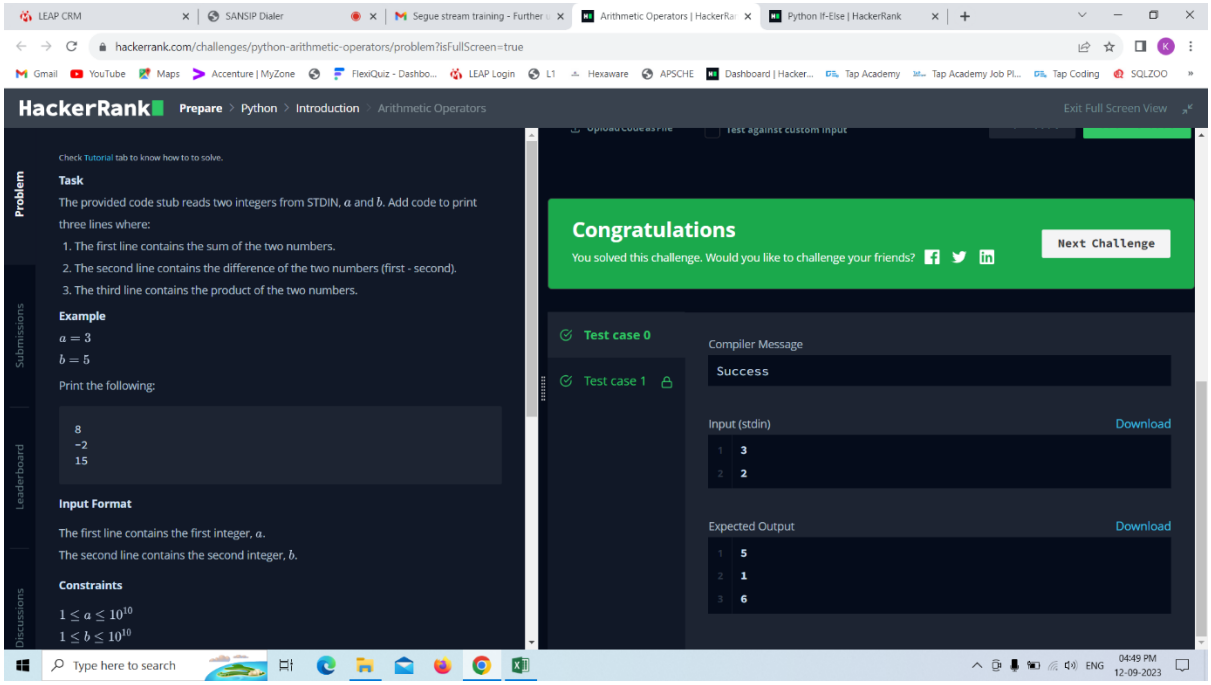
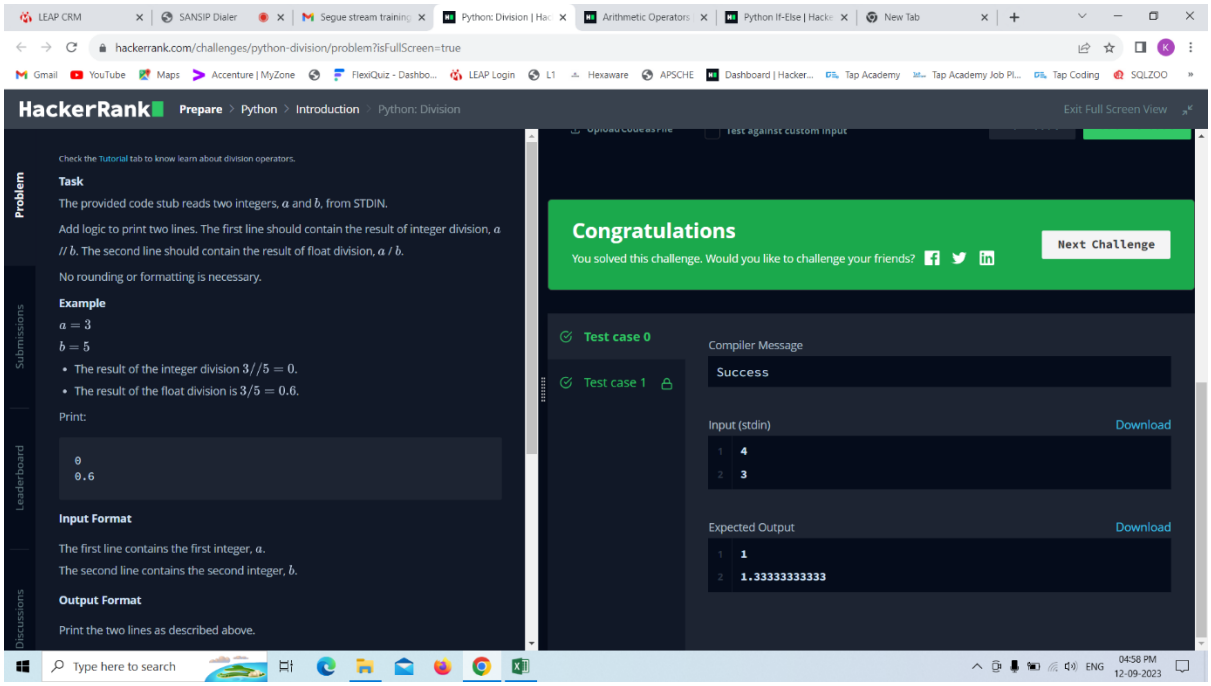
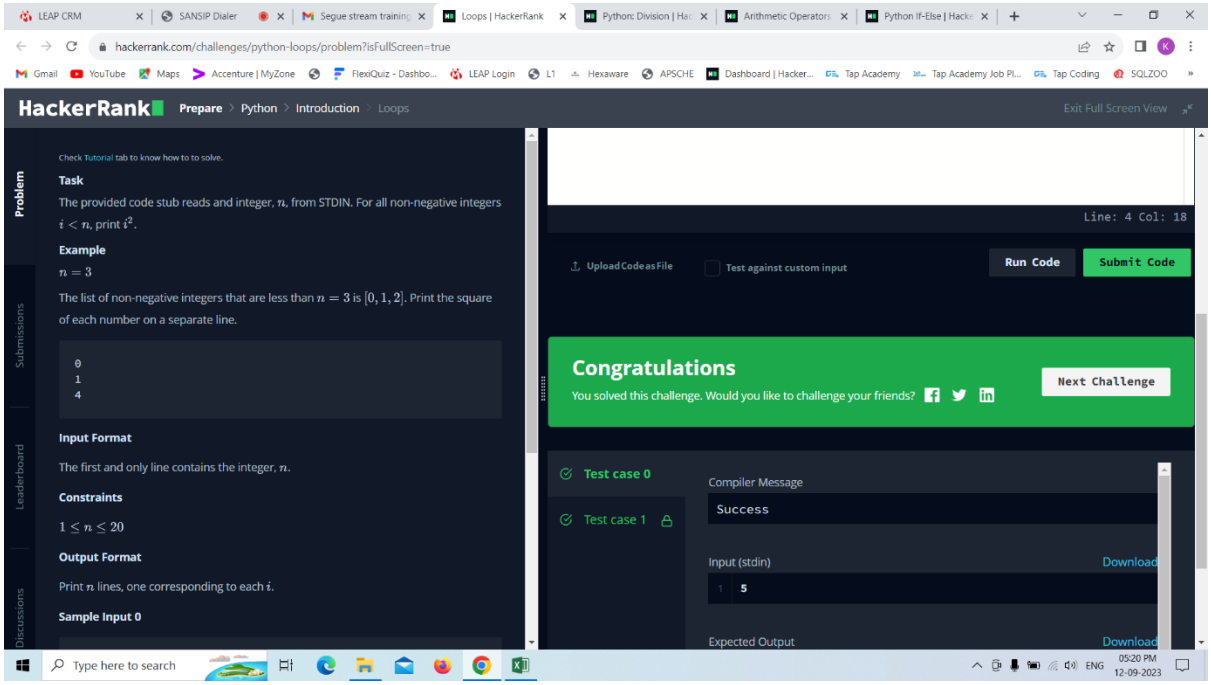
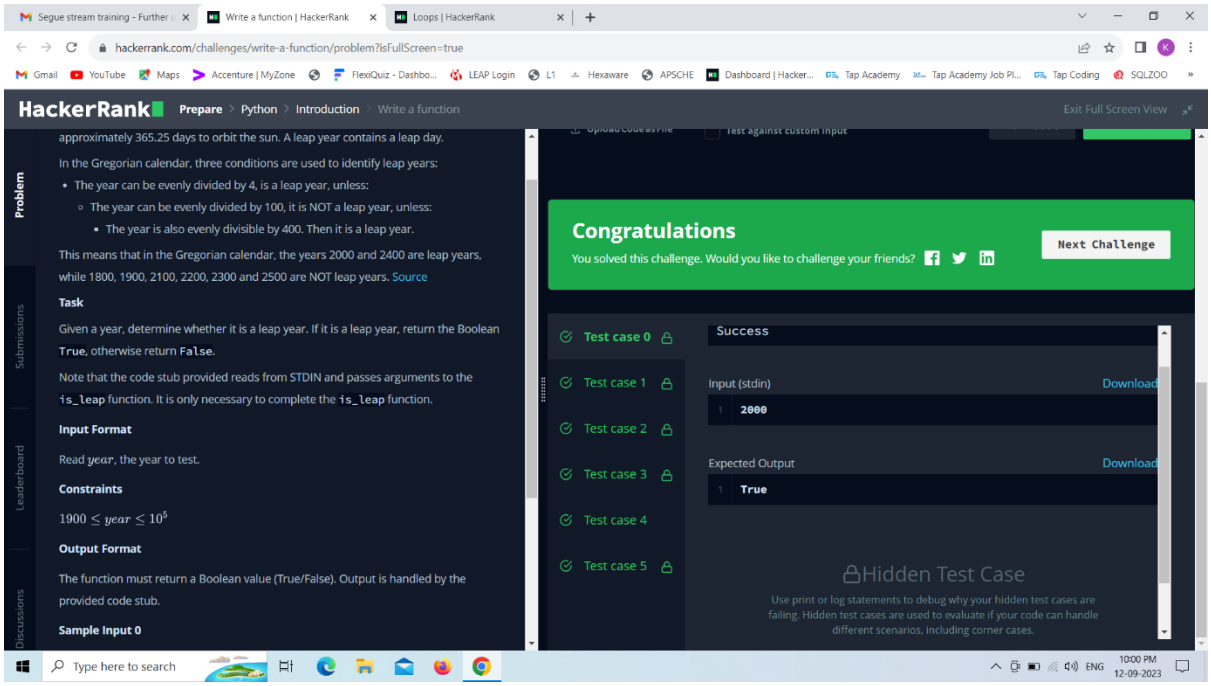
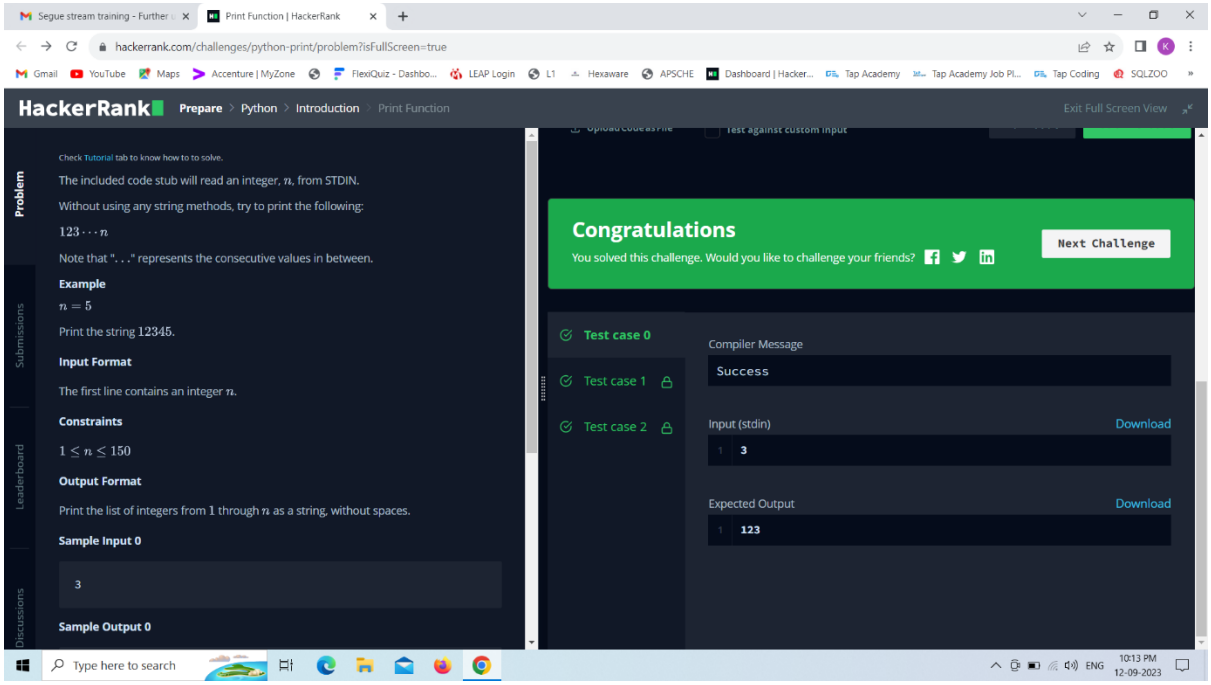

HackerRank
Prepare > Python > Introduction > Python If-Else
Exit Full Screen View
Problem
Check Tutorial tab to know how to solve.
Task
Given an integer, n, perform the following conditional actions:
If n is odd, print Weird
If n is even and in the inclusive range of 2 to 5, print Not Weird
If n is even and in the inclusive range of 6 to 20, print Weird
If n is even and greater than 20, print Not Weird
Input Format
A single line containing a positive integer, n.
Constraints
$1 \leq n \leq 100$
Output Format
Print Weird if the number is weird. Otherwise, print Not Weird.
Sample Input 0
3
Sample Output 0
Weird
Submissions
Leaderboard
Discussions
else:
print("Weird")
Line: 21 Col: 21
Upload Code as File
Test against custom input
Run Code
Submit Code
Congratulations
You solved this challenge. Would you like to challenge your friends?
Next Challenge
Test case 0
Test case 1
Test case 2
Test case 3
Compiler Message
Success
Input (stdin)
Download
3
Expected Output
Download

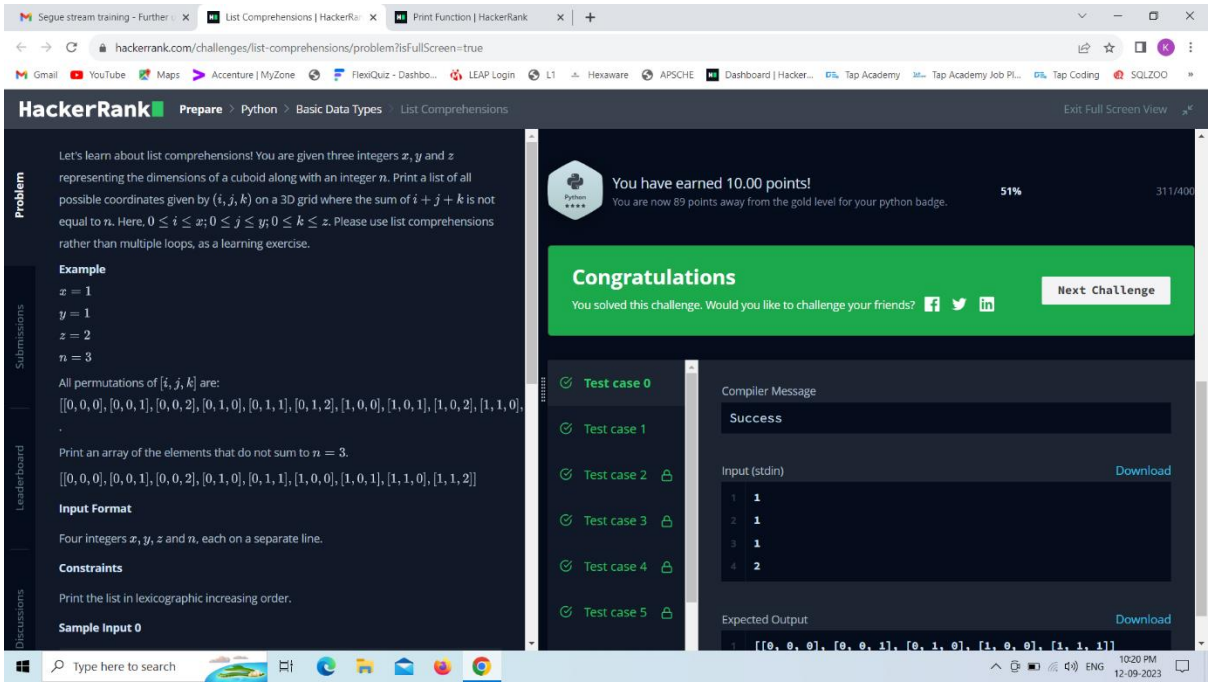

HackerRank
Prepare > Python > Introduction > Arithmetic Operators
Exit Full Screen View
Problem
Check Tutorial tab to know how to to solve.
Task
The provided code stub reads two integers from STDIN, a and b. Add code to print three lines where:
1. The first line contains the sum of the two numbers.
2. The second line contains the difference of the two numbers (first - second).
3. The third line contains the product of the two numbers.
Example
$a = 3$
$b = 5$
Print the following:
8
-2
15
Input Format
The first line contains the first integer, a.
The second line contains the second integer, b.
Constraints
$1 \leq a \leq 10^{10}$
$1 \leq b \leq 10^{10}$
Submissions
Leaderboard
Discussions
Congratulations
You solved this challenge. Would you like to challenge your friends?
Next Challenge
Test case 0
Test case 1
Compiler Message
Success
Input (stdin)
Download
3
2
Expected Output
Download
5
1
6


hackerrank.com/challenges/python-division/problem?isFullScreen=true
HackerRank
Prepare > Python > Introduction > Python: Division
Exit Full Screen View
Problem
Submissions
Leaderboard
Discussions
Check the Tutorial tab to know learn about division operators.
Task
The provided code stub reads two integers, a and b, from STDIN.
Add logic to print two lines. The first line should contain the result of integer division, a // b. The second line should contain the result of float division, a / b.
No rounding or formatting is necessary.
Example
a = 3
b = 5
• The result of the integer division 3//5 = 0.
• The result of the float division is 3/5 = 0.6.
Print:
0
0.6
Input Format
The first line contains the first integer, a.
The second line contains the second integer, b.
Output Format
Print the two lines as described above.
Congratulations
You solved this challenge. Would you like to challenge your friends?
Next Challenge
Test case 0
Test case 1
Compiler Message
Success
Input (stdin)
Download
4
3
Expected Output
Download
1
1.3333333333
Type here to search
04:58 PM
12-09-2023


hackerrank.com/challenges/python-loops/problem?isFullScreen=true
HackerRank
Prepare > Python > Introduction > Loops
Exit Full Screen View
Problem
Submissions
Leaderboard
Discussions
Check Tutorial tab to know how to to solve.
Task
The provided code stub reads and integer, n, from STDIN. For all non-negative integers i < n, print i².
Example
n = 3
The list of non-negative integers that are less than n = 3 is [0, 1, 2]. Print the square of each number on a separate line.
0
1
4
Input Format
The first and only line contains the integer, n.
Constraints
1 ≤ n ≤ 20
Output Format
Print n lines, one corresponding to each i.
Sample Input 0
Line: 4 Col: 18
Upload Code as File
Test against custom input
Run Code
Submit Code
Congratulations
You solved this challenge. Would you like to challenge your friends?
Next Challenge
Test case 0
Test case 1
Compiler Message
Success
Input (stdin)
Download
5
Expected Output
Download
Type here to search
05:20 PM
12-09-2023


Segue stream training - Further
Write a function | HackerRank
Loops | HackerRank
hackerrank.com/challenges/write-a-function/problem?isFullScreen=true
HackerRank
Prepare > Python > Introduction > Write a function
Exit Full Screen View
Problem
Submissions
Leaderboard
Discussions
approximately 365.25 days to orbit the sun. A leap year contains a leap day.
In the Gregorian calendar, three conditions are used to identify leap years:
The year can be evenly divided by 4, is a leap year, unless:
The year can be evenly divided by 100, it is NOT a leap year, unless:
The year is also evenly divisible by 400. Then it is a leap year.
This means that in the Gregorian calendar, the years 2000 and 2400 are leap years, while 1800, 1900, 2100, 2200, 2300 and 2500 are NOT leap years. Source
Task
Given a year, determine whether it is a leap year. If it is a leap year, return the Boolean True, otherwise return False.
Note that the code stub provided reads from STDIN and passes arguments to the is_leap function. It is only necessary to complete the is_leap function.
Input Format
Read year, the year to test.
Constraints
1900 ≤ year ≤ 10^5
Output Format
The function must return a Boolean value (True/False). Output is handled by the provided code stub.
Sample Input 0
Congratulations
You solved this challenge. Would you like to challenge your friends?
Next Challenge
Test case 0
Test case 1
Test case 2
Test case 3
Test case 4
Test case 5
Success
Input (stdin)
Download
2000
Expected Output
Download
True
Hidden Test Case
Use print or log statements to debug why your hidden test cases are failing. Hidden test cases are used to evaluate if your code can handle different scenarios, including corner cases.
Type here to search
ENG
10:00 PM
12-09-2023


Segue stream training - Further
Print Function | HackerRank
hackerrank.com/challenges/python-print/problem?isFullScreen=true
HackerRank
Prepare > Python > Introduction > Print Function
Exit Full Screen View
Problem
Submissions
Leaderboard
Discussions
Check Tutorial tab to know how to to solve.
The included code stub will read an integer, n, from STDIN.
Without using any string methods, try to print the following:
123 ··· n
Note that "..." represents the consecutive values in between.
Example
n = 5
Print the string 12345.
Input Format
The first line contains an integer n.
Constraints
1 ≤ n ≤ 150
Output Format
Print the list of integers from 1 through n as a string, without spaces.
Sample Input 0
3
Sample Output 0
Congratulations
You solved this challenge. Would you like to challenge your friends?
Next Challenge
Test case 0
Test case 1
Test case 2
Compiler Message
Success
Input (stdin)
Download
3
Expected Output
Download
123
Type here to search
ENG
10:13 PM
12-09-2023


Segue stream training - Further
List Comprehensions | HackerRa
Print Function | HackerRank
hackerrank.com/challenges/list-comprehensions/problem?isFullScreen=true
HackerRank
Prepare
Python
Basic Data Types
List Comprehensions
Exit Full Screen View
Problem
Submissions
Leaderboard
Discussions
Let's learn about list comprehensions! You are given three integers x, y and z representing the dimensions of a cuboid along with an integer n. Print a list of all possible coordinates given by (i, j, k) on a 3D grid where the sum of $i + j + k$ is not equal to n. Here, $0 \leq i \leq x; 0 \leq j \leq y; 0 \leq k \leq z$. Please use list comprehensions rather than multiple loops, as a learning exercise.
Example
$x = 1$
$y = 1$
$z = 2$
$n = 3$
All permutations of $[i, j, k]$ are:
$[[0, 0, 0], [0, 0, 1], [0, 0, 2], [0, 1, 0], [0, 1, 1], [0, 1, 2], [1, 0, 0], [1, 0, 1], [1, 0, 2], [1, 1, 0], [1, 1, 1], [1, 1, 2]]$.
Print an array of the elements that do not sum to $n = 3$.
$[[0, 0, 0], [0, 0, 1], [0, 0, 2], [0, 1, 0], [0, 1, 1], [1, 0, 0], [1, 0, 1], [1, 1, 0], [1, 1, 2]]$
Input Format
Four integers x, y, z and n, each on a separate line.
Constraints
Print the list in lexicographic increasing order.
Sample Input 0
You have earned 10.00 points!
You are now 89 points away from the gold level for your python badge.
51%
311/400
Congratulations
You solved this challenge. Would you like to challenge your friends?
Next Challenge
Test case 0
Test case 1
Test case 2
Test case 3
Test case 4
Test case 5
Compiler Message
Success
Input (stdin)
Download
1
1
1
2
Expected Output
Download
[[0, 0, 0], [0, 0, 1], [0, 1, 0], [1, 0, 0], [1, 1, 1]]
Type here to search
ENG
10:20 PM
12-09-2023