

# 1 - String palindrome

You are given a string, and your task is to determine whether or not the string is a palindrome.

A palindrome is a string where the string is the same when read both forwards and backwards, for example: "racecar", "12321" or "(\*v\*("

The input will be a string, output True or False accordingly

For example:

Input:

>racecar

Output:

>True

## 2 - Pythagorean primitive triples

Given 3 integers, determine whether or not the 3 integers are a pythagorean triple. A pythagorean triple is a set of 3 numbers in which all of the elements are co-prime (has a highest common factor of 1).

The input is on a single line, with each integer separated by a space.  
Output a single integer, 0 if it's not a pythagorean triple and 1 if it is.

For example:

Input:

>2 3 5

Output:

>1

### 3 - Snail

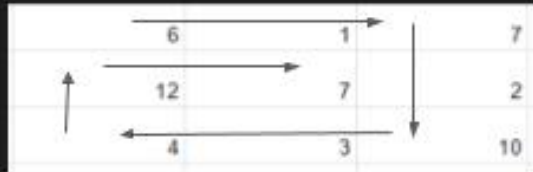
Given an a N x N array of integers, iterate through it in a snail like pattern, and output a 1D array.

For example:

Input:

>[[6,1,7], [12, 7, 2], [4, 3, 10]]

So:



Output:

>[6,1,7,2,10,3,4,12,7]