1. Create a function that takes a number as an argument and returns "even" for even numbers and "odd" for odd numbers.
2. Create a function that takes two strings as arguments and return either True or False depending on whether the total number of characters in the first string is equal to the total number of characters in the second string.

Examples

"AB", "CD" ➞ True

"ABC", "DE" ➞ False

"hello", "edabit" ➞ False

1. Given a string, return True if its length is even or False if the length is odd.
2. Write a function that returns the string 'something' joined with a space

' ' and the given argument a.

Examples

'is better than nothing' ➞ 'something is better than nothing'

'Bob Jane" ➞ "something Bob Jane'

'something' ➞ 'something something'

1. Luke Skywalker has family and friends. Help him remind them who is who.

Given a string with a name, return the relation of that person to Luke.

Person Relation

Darth Vader father

Leia sister

Han brother in law

R2D2 droid

Examples

'Darth Vader' ➞ 'Luke, I am your father.'

'Leia' ➞ 'Luke, I am your sister.'

'Han' ➞ 'Luke, I am your brother in law.'

1. Create a function that takes a string and returns the number (count) of vowels contained within it.

Examples

'Celebration' ➞ 5

'Palm' ➞ 1

'Prediction' ➞ 4

Notes

a, e, i, o, u are considered vowels (not y).

1. Create a function that replaces all the vowels in a string with a specified character.

Examples

'the aardvark', '#' ➞ 'th# ##rdv#rk'

'minnie mouse', '?' ➞ 'm?nn?? m??s?'

'shakespeare', '\*' ➞ 'sh\*k\*sp\*\*r\*'

1. Write a function that takes a credit card number and only displays the last four characters.

The rest of the card number must be replaced by \*\*\*\*\*\*\*\*\*\*\*\*.

Examples

'1234123456785678' ➞ '\*\*\*\*\*\*\*\*\*\*\*\*5678'

'8754456321113213' ➞ '\*\*\*\*\*\*\*\*\*\*\*\*3213'

'35123413355523' ➞ '\*\*\*\*\*\*\*\*\*\*5523'

1. Create a function that takes a string (will be a person's first and last name) and returns a string with the first and last name swapped.

Examples

'Donald Trump' ➞ 'Trump Donald'

'Rosie O'Donnell' ➞ 'O"Donnell Rosie'

'Seymour Butts' ➞ 'Butts Seymour'

1. An isogram is a word that has no duplicate letters.

Create a function that takes a string and returns either True or False depending on whether or not it's an 'isogram'.

Examples

'Algorism' ➞ True

'PasSword' ➞ False

# Not case sensitive.

'Consecutive' ➞ False

1. Create a function to test if a string is a valid pin or not.

A valid pin has:

\* Exactly 4 or 6 characters.

\* Only numerical characters(0-9).

\* No whitespace.

Notes. Empty strings should return false when tested.

1. EXTRA Knowledge

Create a function that returns True if a given inequality expression is correct and False otherwise.

Examples

"3 < 7 < 11" ➞ True

"13 > 44 > 33 > 1" ➞ False

"1 < 2 < 6 < 9 > 3" ➞ True