

1. Given an array of numbers containing n distinct numbers in the range [0, n], return the only number in the range that is missing from the array. (Score 3)

Examples

missingNumber([2, 0, 1, 4]) → 3

missingNumber([0, 1]) → 2

missingNumber([4, 2, 3, 5, 0]) → 1

Note:- **n == array.length**

2. Create a function which takes in a word and spells it out, by consecutively adding letters until the full word is completed. (Score 2)

Examples

spelling("bee") → ["b", "be", "bee"]

spelling("happy") → ["h", "ha", "hap", "happ", "happy"]

spelling("bridgeon") → ["b", "br", "bri", "brid", "bridg", "bridge", "bridgeo", "bridgeon"]

3. Create a function which returns the number of true values there are in an array. (Score 2)

Examples

countTrue([true, false, false, true, false]) → 2

countTrue([false, false, false, false]) → 0

countTrue([]) → 0

4. You are given an object containing some languages and your test results in the given languages. Return the list of languages where your test score is at least 60, in descending order of the scores. (Score 3)

Examples

myLanguages({Java: 10, Ruby: 80, Python: 65}) → ["Ruby", "Python"]

myLanguages({Hindi: 60, Dutch: 93, Greek: 71}) → ["Dutch", "Greek", "Hindi"]

myLanguages({JavaScript: 50, C++: 10}) → []