



DURATION - 90 min

ANAGRAM DETECTION

Two words are anagrams of each other, if elements of one can be permuted to get the other. For example 'MASAI SCHOOL', 'ASHLA COSIMO' AND 'CHAOS SALOMI' are anagrams of each other. Can you come up with an function to test, if two given arrays are anagrams in the most efficient manner.

INPUT

```
function anagram_check(word1, word2)
{
    // YOUR CODE
}
```

OUTPUT

TRUE - If word1 and word2 are anagrams
FALSE - If word1 and word2 are not anagrams

RANK CALCULATOR

Given the marks of a list of students write a program to calculate the ranks obtained by the students with the following criteria

1. If two students got same marks they will get same rank
2. The student placed next to the same marks students will get the rank skipping the intermediate ranks. Refer to the example below

MARKS

Iron Man - 10, Spider Man - 10, Captain Marvel - 15, Thor - 13, Hulk - 10, Hawkeye - 8

RANKS

Captain Marvel - 1, Thor - 2, Iron Man - 3, Spider Man - 3, Hulk - 3, Hawkeye - 6

INPUT

```
function calculate_ranks([{"Iron Man": 10, "Spider Man": 10, "Captain Marvel": 15, "Thor": 13,
"Hulk": 10, "Hawkeye": 8}])
{
    //YOUR CODE
}
```

OUTPUT

[{"Iron Man": 3, "Spider Man": 3, "Captain Marvel": 1, "Thor": 2, "Hulk": 3, "Hawkeye": 6}]