

Quiz 3 - Monday

5 points

Oct 21, 2024

Name:

Student Number:

An anagram is a word or phrase formed by rearranging the letters of another word or phrase, using all the original letters exactly once. You are given two strings, `s` and `t`. Write a function that checks whether `t` is an anagram of `s`. The function should return `true` if they are anagrams, and `false` if they are not. You **must** write the code with time complexity of $O(n)$.

Example 1:

- Input: `s = "listen"`, `t = "silent"`
- Output: `true`

Example 2:

- Input: `s = "bob"`, `t = "rob"`
- Output: `false`

IMPORTANT NOTES:

- Just a hint about $O(n)$ time complexity for this problem, you can use the same method we used during the lecture.
- Write the function in the following format:

```
bool isAnagram(char* s, char* t) {  
  
}
```

- Both strings consist only of lowercase English letters.
- No need to write `int main()`.
- Your code must work on any OS.