

Copilot

Sure! Here's a string manipulation exercise for you:

Task: Anagram Checker

Objective: Write a Python function that checks if two given strings are anagrams of each other. An anagram is a word or phrase formed by rearranging the letters of a different word or phrase, typically using all the original letters exactly once.

Instructions:

1. Create a function named `is_anagram` that takes two strings as input.
2. The function should return `True` if the strings are anagrams of each other, and `False` otherwise.
3. Ignore spaces and capitalization while checking for anagrams.

Example:

```
def is_anagram(str1, str2):  
    # Your code here  
  
# Test cases  
print(is_anagram("Listen", "Silent")) # Should return True  
print(is_anagram("Hello", "World"))   # Should return False  
print(is_anagram("Dormitory", "Dirty room")) # Should return True
```

Tips:

- You might find it helpful to use Python's string methods such as `.lower()`, `.replace()`, and `.sorted()`.
- Consider how you can handle spaces and capitalization effectively.

Give it a try and let me know how it goes! If you have any questions or need further assistance, feel free to ask.
Happy coding! 😊