

Copilot

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

Task: String Manipulation Practice

Objective: Write a Python function that takes a string as input and performs the following operations:

1. **Reverse the string:** Create a new string that is the reverse of the input string.
2. **Count vowels and consonants:** Count the number of vowels (a, e, i, o, u) and consonants in the string.
3. **Remove duplicates:** Create a new string with all duplicate characters removed.
4. **Check for palindrome:** Determine if the input string is a palindrome (reads the same forwards and backwards).
5. **Replace spaces with hyphens:** Replace all spaces in the string with hyphens (-).

Example Input:

```
input_string = "hello world"
```

Expected Output:

1. Reversed string: "dlrow olleh"
2. Vowels: 3, Consonants: 7
3. String without duplicates: "helo wrd"
4. Is palindrome: False
5. String with hyphens: "hello-world"

Feel free to ask if you need any hints or further clarification on the task. Happy coding! 😊