

## 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. Ignore case (i.e., treat 'A' and 'a' as the same).
3. **Remove duplicates:** Create a new string with all duplicate characters removed, keeping only the first occurrence of each character.
4. **Check for palindrome:** Determine if the input string is a palindrome (a string that reads the same forward and backward).

#### Example Input:

```
input_string = "Hello, World!"
```

#### Expected Output:

1. Reversed string: "!dlroW ,olleH"
2. Vowels count: 3, Consonants count: 7
3. String without duplicates: "Helo, Wrld!"
4. Is palindrome: False

#### Instructions:

- Write a function `string_manipulation(input_string)` that performs the above operations.
- Print the results for each operation.

Good luck! Let me know if you need any hints or further assistance. 😊