

ChatGPT 4o

ChatGPT

GPTs erkunden

Heute

Python String Manipulation Task

String Manipulation Exercise

String Manipulation Exercise

Juli

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Mai

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Team-Arbeitsbereich hinzufügen

Mit einem Teamtarif...

I'm a student learning the Python programming language. I would like to get some programming exercises. I'm not good with string manipulations. Please generate a task that I can use to practice. Don't provide the solution.

Here's a programming exercise to help you practice string manipulation in Python:

Exercise: Text Analyzer

Task

Write a Python program that performs the following tasks:

- Input:**
 - Ask the user to input a string (a sentence or a paragraph).
- Character Count:**
 - Count the total number of characters in the string (including spaces).
- Word Count:**
 - Count the total number of words in the string. Words are separated by spaces.
- Vowel Count:**
 - Count the number of vowels (a, e, i, o, u) in the string. Consider both uppercase and lowercase vowels.
- Consonant Count:**
 - Count the number of consonants in the string. Consider both uppercase and lowercase letters.
- Most Frequent Word:**
 - Identify and print the word that appears the most frequently in the string. If there are multiple words with the same frequency, display any one of them.
- Reverse Words:**
 - Reverse the order of the words in the string and print the new string.

Example Input

```
Enter a string: "Python programming is fun and Python is easy."
```

Expected Output

```
Total characters: 44
Total words: 8
Total vowels: 13
Total consonants: 24
Most frequent word: Python
Reversed words: "easy. is Python and fun is programming Python"
```

Additional Challenge:

- Word Length Sorting:** Sort the words in the string by their length and print the sorted list.

Good luck with the exercise!

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📧 Sende eine Nachricht an ChatGPT

ChatGPT kann Fehler machen. Überprüfe wichtige Informationen.

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