

Program:

Write a Python program that takes in input string and prints the Character count:

Input String: "Hello, World!"

Output: {'H': 1, 'e': 1, 'l': 3, 'o': 2, ',': 1, ' ': 1, 'W': 1, 'r': 1, 'd': 1, '!': 1}

Input String: "OpenAI ChatGPT"

Output: {'O': 1, 'p': 1, 'e': 1, 'n': 1, 'A': 1, 'T': 1, ' ': 1, 'C': 1, 'h': 1, 'a': 1, 't': 1, 'G': 1, 'P': 1, 'I': 1}

Input String: "abbcccddeeeeee"

Output: {'a': 1, 'b': 2, 'c': 3, 'd': 4, 'e': 5}

Program:

```
def charactercount(string):  
    char_count={}  
    for char in string:  
        if char in char_count:  
            char_count[char] += 1  
        else:  
            char_count[char]=1  
    return char_count
```

```
s=input("Enter the String:")  
print(charactercount(s),"\n")
```

Output:

```
Enter the String:Hello, World!
● {'H': 1, 'e': 1, 'l': 3, 'o': 2, ',': 1, ' ': 1, 'W': 1, 'r': 1, 'd': 1, 'l': 1}

(Python310) PS D:\Programs\Strings> & C:/Users/ADMIN/AppData/Local/Programs/Python/Python310/python.exe d:/Prograr
● Enter the String:OpenAI ChatGPT
{'O': 1, 'p': 1, 'e': 1, 'n': 1, 'A': 1, 'I': 1, ' ': 1, 'C': 1, 'h': 1, 'a': 1, 't': 1, 'G': 1, 'P': 1, 'T': 1}

(Python310) PS D:\Programs\Strings> & C:/Users/ADMIN/AppData/Local/Programs/Python/Python310/python.exe d:/Prograr
Enter the String:abbccdddeeeee
{'a': 1, 'b': 2, 'c': 3, 'd': 4, 'e': 5}
```