

HATFD1015

Find the First Non-Repeating Character

Write a program to find the first non-repeating character in a string. For input "swiss", the output

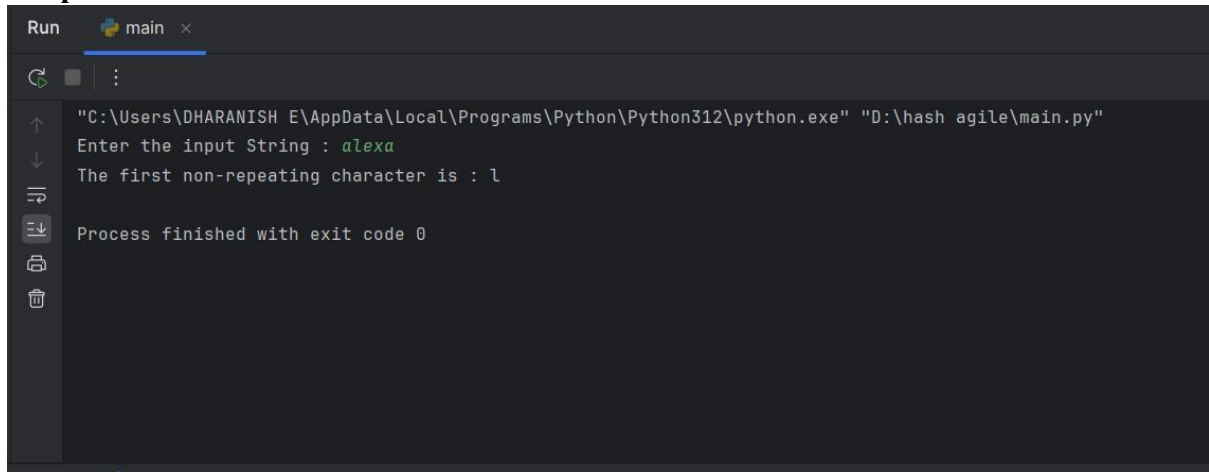
should be "w". You cannot use any built-in string or character frequency counting functions.

Instructions: Implement manual string traversal and counting logic to solve the problem.

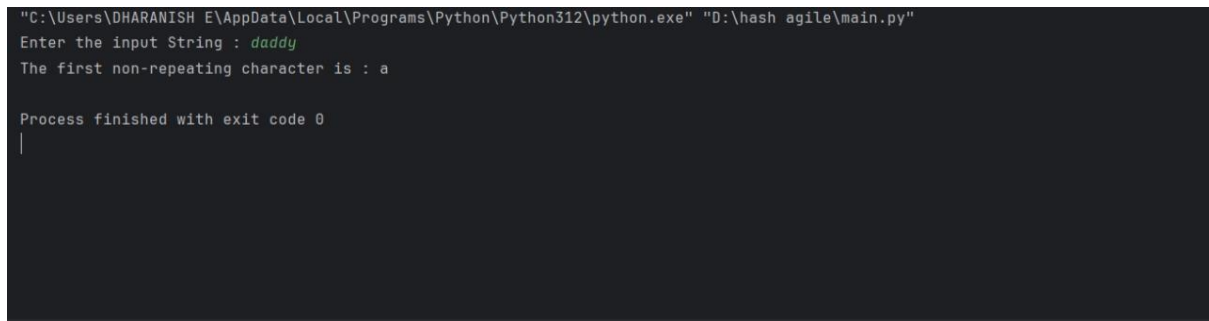
Source Code:

```
def first_non_repeating_character(s):  
    char_count = {}  
    for char in s:  
        if char in char_count:  
            char_count[char] += 1  
        else:  
            char_count[char] = 1  
    for char in s:  
        if char_count[char] == 1:  
            return char  
    return None  
  
input_string = "swiss"  
result = first_non_repeating_character(input_string)  
print(f"The first non-repeating character is: {result}")
```

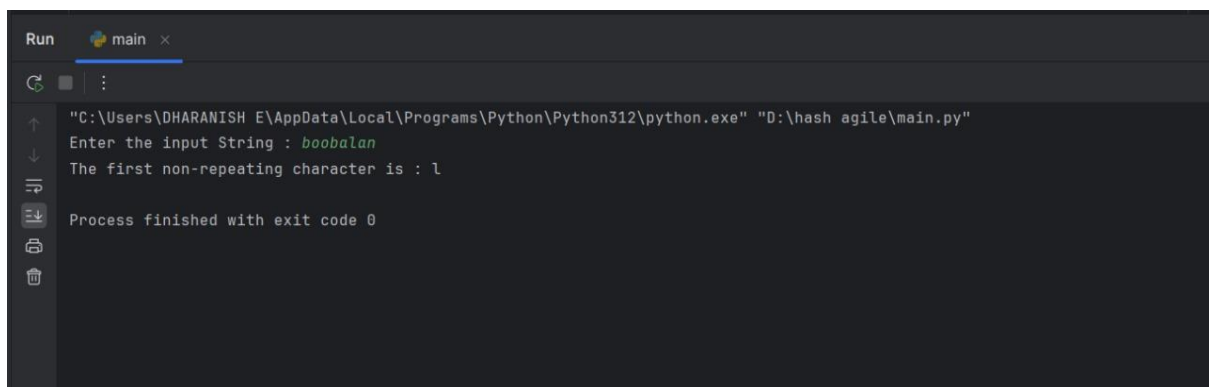
Output:



```
Run  main x
"C:\Users\DHARANISH E\AppData\Local\Programs\Python\Python312\python.exe" "D:\hash agile\main.py"
Enter the input String : alexa
The first non-repeating character is : l
Process finished with exit code 0
```



```
"C:\Users\DHARANISH E\AppData\Local\Programs\Python\Python312\python.exe" "D:\hash agile\main.py"
Enter the input String : daddy
The first non-repeating character is : a
Process finished with exit code 0
|
```



```
Run  main x
"C:\Users\DHARANISH E\AppData\Local\Programs\Python\Python312\python.exe" "D:\hash agile\main.py"
Enter the input String : boobalan
The first non-repeating character is : l
Process finished with exit code 0
```

Done by:

Moulidaaran R

moulidaarn360@gmail.com

7489874749