

# Hash agile Coding Assessment

## Problem Statement:

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.

## Program:

```
def non_repeat_func(name):
    str_count = {}

    for character in name:
        if character in str_count:
            str_count[character] += 1

        else:
            str_count[character] = 1

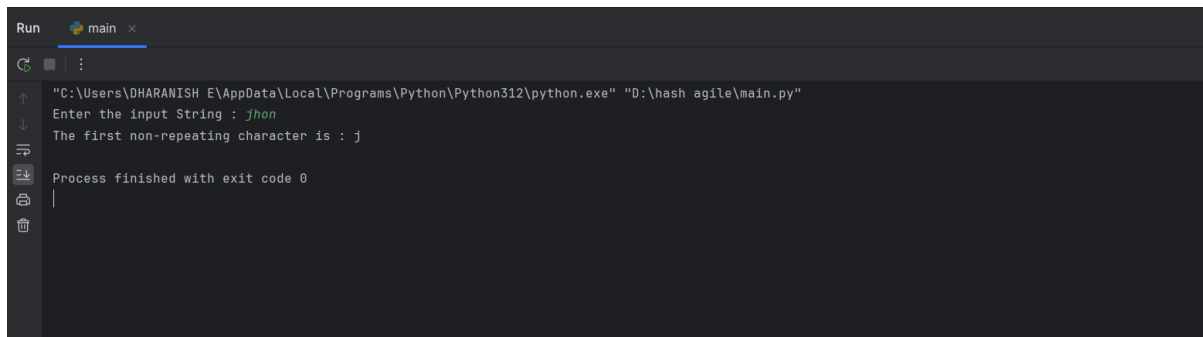
    for character in name:

        if str_count[character] == 1:
            return character

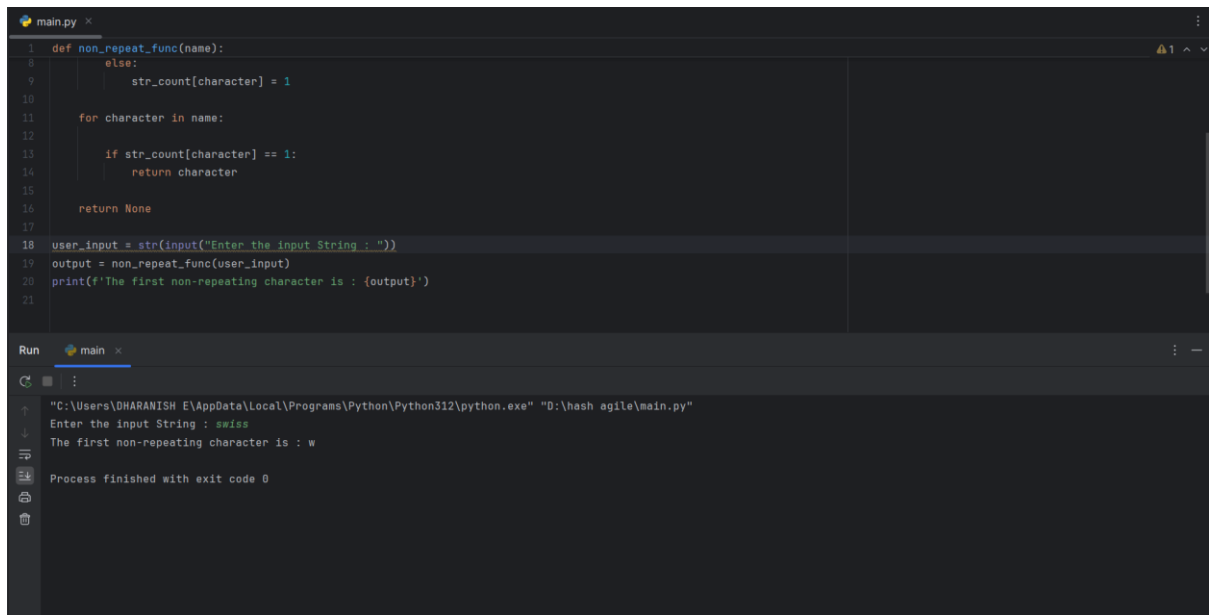
    return None

user_input = str(input("Enter the input String : "))
output = non_repeat_func(user_input)
print(f'The first non-repeating character is : {output}')
```

## Output:



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



```
1 def non_repeat_func(name):
2     else:
3         str_count[character] = 1
4
5     for character in name:
6
7         if str_count[character] == 1:
8             return character
9
10    return None
11
12 user_input = str(input("Enter the input String : "))
13 output = non_repeat_func(user_input)
14 print(f'The first non-repeating character is : {output}')
15
16
17
18
19
20
21
```

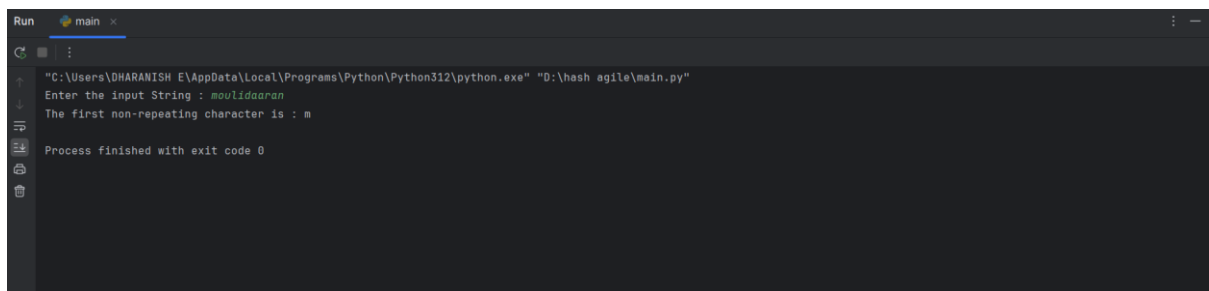
Run main

"C:\Users\DHARANISH E\AppData\Local\Programs\Python\Python312\python.exe" "D:\hash agile\main.py"

Enter the input String : *swiss*

The first non-repeating character is : w

Process finished with exit code 0



Run main

"C:\Users\DHARANISH E\AppData\Local\Programs\Python\Python312\python.exe" "D:\hash agile\main.py"

Enter the input String : *moUlidaaran*

The first non-repeating character is : m

Process finished with exit code 0

**Done By:**

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