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.

PYTHON CODE:

```python
string="swiss"
unique_characters=[]
duplicate_characters=[]
for i in range(len(string)):
    if string[i] not in unique_characters:
        unique_characters.append(string[i])
    else:
        duplicate_characters.append(string[i])


for i in range(len(unique_characters)):
    if unique_characters[i] not in duplicate_characters:
        print(unique_characters[i])
        break
```

input-1: swiss

output-1: w

input-2: python programming

output-2: y

input-3: strengths

output-3: r

input-4: success

output-4: u

input-5: interview

output-5: n