

# Name: Talha khan (2303-009-KHI-DEG)

The First Non Repeated Character In A String

## DESCRIPTION:

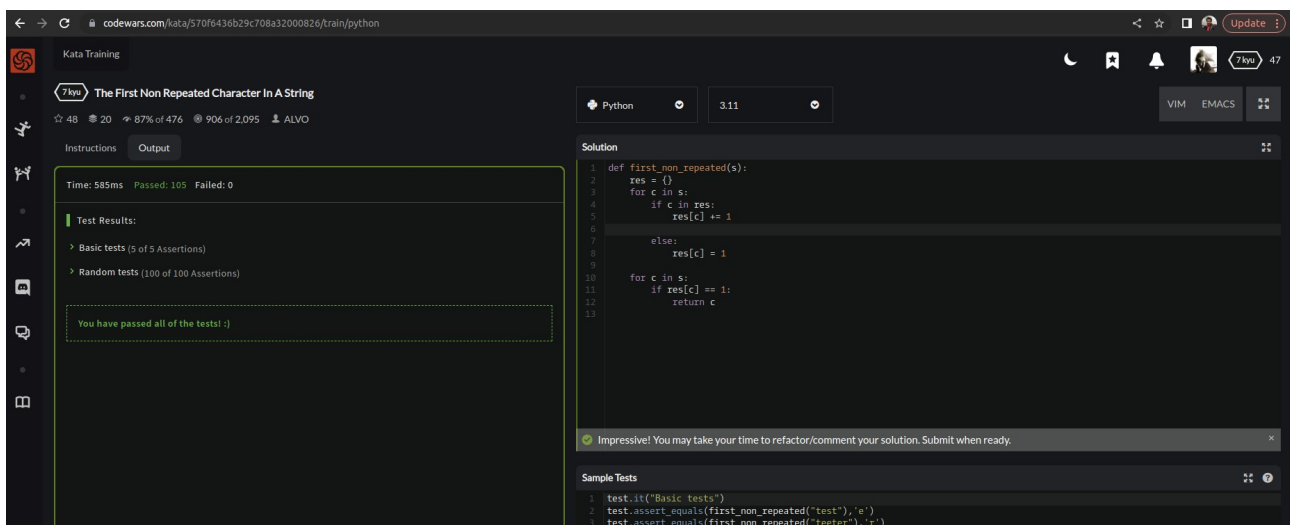
You need to write a function, that returns the first non-repeated character in the given string.

If all the characters are unique, return the first character of the string.

If there is no unique character, return `null` in JS or Java, `None` in Python, `"\0"` in C.

You can assume, that the input string has always non-zero length.

## SOLUTION:



The screenshot shows a web browser displaying a Codewars kata page. The title is "The First Non Repeated Character In A String". The page shows the solution in Python, which is 3.11 points. The solution code is as follows:

```
1 def first_non_repeated(s):
2     res = {}
3     for c in s:
4         if c in res:
5             res[c] += 1
6         else:
7             res[c] = 1
8     for c in s:
9         if res[c] == 1:
10            return c
11
```

The test results show that the solution passed all tests. The message "You have passed all of the tests!" is displayed. The sample tests are as follows:

```
1 test.it("Basic tests")
2 test.assert_equals(first_non_repeated("test"), 'e')
3 test.assert_equals(first_non_repeated("teeter"), 'r')
```

## EXPLANATION:

The function works by first creating a dictionary to keep track of the count of each character in the input string. It then iterates over the string again and returns the first character it finds with a count of 1. If no non-repeated character is found, the function returns None. Although to reduce LOC return None is not mention but it will prove the given test cases true.