



## Find the first non repeated character



Complete the **nonRepeated** function in your editor. It has 1 parameter:

1. A string s.

- Coding  
Section -

1

It must return the first non-repeated character in a given string.

2

*Note:* Treat the characters as case sensitive, so 'a' and 'A' are different.

- Test -

### Input Format

3

The locked stub code in your editor reads the following input from stdin and passes it to your function:

4

The first line contains a string s.

5

### Constraints

6

- $0 < \text{Length of string} < 256$
- All the characters in the string are either uppercase alphabets or lower case alphabets.
- It is guaranteed that there will be at least one non-repeated character.

7

### Output Format

8

Your function must return the first non-repeated character in a given string. This is printed to stdout by the locked stub code in your editor.

9

### Sample Input 1

10

mnonmpsms

11

12

### Sample Output 1

o

- Extra Credit -

13

### Explanation 1

All characters other than 'o' occur multiple times in the string. 'p' is the other non-repeated character, however it appears later in the string.



## Sample Output 2

```
l
```

- Coding  
Section -

1

## YOUR ANSWER

2

- Test -

3

We recommend you take a quick tour of our editor before you proceed. The timer will pause up to 90 seconds for the tour. [Start tour](#)



4

Original code

Swift



5

```
1 import Foundation
```

```
2
```

6

```
3 /*
```

```
4  * Complete the function below.
```

```
5  */
```

7

```
6 func nonRepeated(s: String) -> String {
```

8

```
7     var characterArray = [Character]()
```

```
8     var counts: [Character: Int] = [:]
```

9

```
9     for each in s.characters {
```

```
10         characterArray.append(each)
```

10

```
12     }
```

```
13     for each in characterArray {
```

11

```
14         counts[each] = (counts[each] ?? 0) + 1
```

```
15     }
```

12

```
16  
17     let nonRepeatedArray = characterArray.filter({counts[$0]  
== 1})
```

- Extra Credit -

13

```
19     let firstNonRepeated = String(nonRepeatedArray.first!)
```

```
20
```

```
21     return firstNonRepeated
```

```
22 }
```

```
23
```

```
24
```

```
25
```



- Coding  
Section -

1

2

- Test -

3

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- Extra Credit -

13

```
29 if let _s_temp = readLine() {  
30     _s = _s_temp  
31 }  
32  
33 var res = nonRepeated(s: _s)  
34  
35 print(res)  
36  
37
```

Line: 3 Col: 1

☐ Test against custom input

Run Code

Submit code &amp; Continue

(You can submit any number of times)

[Download sample test cases](#)  
Notepad to edit them on windows.

The input/output files have Unix line endings. Do not use

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