# SWIFT 考題

1. Given a string, find the first non-repeating character in it and return it's index. If it doesn't exist, return -1.

### **Examples:**

```
s = "leetcode"
return 0.

s = "loveleetcode",
return 2.
```

**Note:** You may assume the string contain only lowercase letters.

### **Solution:**

```
/**
 * @param String $str Input string
 *
 * @return int The index of first non-repeating character
 */
function firstUniqChar($str) {
}
```

2. Write a function that takes a string as input and returns the string reversed.

**Example:** Given s = "hello", return "olleh".

3. You are given an n x n 2D matrix representing an image.

Rotate the image by 90 degrees (clockwise).

**Note:** You have to rotate the image in-place, which means you have to modify the input 2D matrix directly. DO NOT allocate another 2D matrix and do the rotation.

#### **Example 1:**

```
Given input matrix =

[
    [1,2,3],
    [4,5,6],
    [7,8,9]
],

rotate the input matrix in-place such that it becomes:

[
    [7,4,1],
    [8,5,2],
    [9,6,3]
]
```

## Example 2:

```
Given input matrix =

[
    [5, 1, 9,11],
    [2, 4, 8,10],
    [13, 3, 6, 7],
    [15,14,12,16]
],

rotate the input matrix in-place such that it becomes:

[
    [15,13, 2, 5],
    [14, 3, 4, 1],
    [12, 6, 8, 9],
    [16, 7,10,11]
]
```