**8. Rotate String**

中文

English

Given a string(Given in the way of char array) and an offset, rotate the string by offset in place. (rotate from left to right)

**Example**

**Example 1:**

Input: str="abcdefg", offset = 3

Output: str = "efgabcd"

Explanation: Note that it is rotated in place, that is, after str is rotated, it becomes "efgabcd".

**Example 2:**

Input: str="abcdefg", offset = 0

Output: str = "abcdefg"

Explanation: Note that it is rotated in place, that is, after str is rotated, it becomes "abcdefg".

**Example 3:**

Input: str="abcdefg", offset = 1

Output: str = "gabcdef"

Explanation: Note that it is rotated in place, that is, after str is rotated, it becomes "gabcdef".

**Example 4:**

Input: str="abcdefg", offset =2

Output: str = "fgabcde"

Explanation: Note that it is rotated in place, that is, after str is rotated, it becomes "fgabcde".

**Example 5:**

Input: str="abcdefg", offset = 10

Output: str = "efgabcd"

Explanation: Note that it is rotated in place, that is, after str is rotated, it becomes "efgabcd".

**Challenge**

Rotate in-place with O(1) extra memory.

**Notice**

offset >= 0  
the length of str >= 0