

Given a string **S** consisting only '0's and '1's, find the last index of the '1' present in it.

Example 1:

Input:

S = 00001

Output:

4

Explanation:

Last index of 1 in given string is 4.

Example 2:

Input:

0

Output:

-1

Explanation:

Since, 1 is not present, so output is -1.

Your Task:

You don't need to read input or print anything. Your task is to complete the function **lastIndex()** which takes the string **S** as inputs and **returns** the last index of '1'. If '1' is not present, return "-1" (without quotes).

Expected Time Complexity: $O(N)$

Expected Auxiliary Space: $O(1)$

Constraints:

$$1 \leq |S| \leq 10^6$$

$$S = \{0,1\}$$