

Implement Atoi

Medium Accuracy: 32.9% Submissions: 67793 Points: 4

Your task is to implement the function **atoi**. The function takes a string(`str`) as argument and converts it to an integer and returns it.

Note: You are not allowed to use inbuilt function.

Example 1:

Input:

`str = 123`

Output: 123

Example 2:

Input:

`str = 21a`

Output: -1

Explanation: Output is -1 as all characters are not digit only.

Your Task:

Complete the function **atoi()** which takes a string as input parameter and returns integer value of it. if the input string is not a numerical string then returns 1..

Expected Time Complexity: $O(|S|)$, $|S|$ = length of string S .

Expected Auxiliary Space: $O(1)$

Constraints:

$1 \leq \text{length of } S \leq 10$

Note:The **Input/Output** format and **Example** given are used for system's internal purpose, and should be used by a user for **Expected Output** only. As it is a function problem, hence a user should not read any input from stdin/console. The task is to complete the function specified, and not to write the full code.

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