

Smallest Positive Missing Number

You are given an array `arr[]` of **N** integers. The task is to find the smallest positive number missing from the array.

Note: Positive number starts from 1.

Example 1:

Input:

`N = 5`

`arr[] = {1,2,3,4,5}`

Output: 6

Explanation: Smallest positive missing number is 6.

Example 2:

Input:

`N = 5`

`arr[] = {0,-10,1,3,-20}`

Output: 2

Explanation: Smallest positive missing number is 2.

Your Task:

The task is to complete the function **missingNumber()** which returns the smallest positive missing number in the array.

Expected Time Complexity: $O(N)$.

Expected Auxiliary Space: $O(1)$.

Constraints:

$1 \leq N \leq 10^6$

$-10^6 \leq arr[i] \leq 10^6$