1. Find the Median

same number of elements occur after it as before. Given a list of numbers with an odd number of elements, find the median? Example arr = [5, 3, 1, 2, 4]

The median of a list of numbers is essentially its middle element after sorting. The

The sorted array arr' = [1, 2, 3, 4, 5]. The middle element and the median is 3. **Function Description** Complete the findMedian function in the editor below.

findMedian has the following parameter(s):

int arr[n]: an unsorted array of integers

· int: the median of the array

Returns

Input Format

The first line contains the integer n_r , the size of arr. The second line contains n space-separated integers arr[i]Constraints

- $1 \le n \le 1000001$
 - n is odd
 - $-10000 \le arr[i] \le 10000$

Sample Input 0

0 1 2 4 6 5 3

Sample Output 0

3

7

Explanation 0

The sorted arr = [0, 1, 2, 3, 4, 5, 6]. It's middle element is at arr[3] = 3.