

Given an array **Arr** (distinct elements) of size **N**. Rearrange the elements of array in zig-zag fashion. The converted array should be in form **a < b > c < d > e < f**. The relative order of elements is same in the output **i.e** you have to iterate on the original array only.

#### Example 1:

**Input:**

N = 7

Arr[] = {4, 3, 7, 8, 6, 2, 1}

**Output:** 3 7 4 8 2 6 1

**Explanation:** 3 < 7 > 4 < 8 > 2 < 6 > 1

#### Example 2:

**Input:**

N = 4

Arr[] = {1, 4, 3, 2}

**Output:** 1 4 2 3

**Explanation:** 1 < 4 > 2 < 3

#### Your Task:

You don't need to read input or print anything. Your task is to complete the function **zigZag()** which takes the array of integers **arr** and **n** as parameters and returns void. You need to modify the array itself.

**Expected Time Complexity:** O(N)

**Expected Auxiliary Space:** O(1)

#### Constraints:

1 <= N <= 10<sup>5</sup>

0 <= Arr<sub>i</sub> <= 10<sup>6</sup>