QUIZ

**INSTRUCTIONS:**

* **you are asked to write functions on paper for the following tasks keep in mind that your build should be working efficient.**
* **Dry run a sample input for the verification purpose.**
* **Submit your paper work, write roll number on each page.**

**TASK1:**  
You are given an array of positive integers in unsorted arrangement. You need to arrange the

array in a zig-zag value of magnitudes such that a[1] > a[2] < a[3] > a[4] < a[5] > a[6] and

so on.

***Input****: arr[] = {4, 3, 7, 8, 6, 2, 1}****Output****: arr[] = {3, 7, 4, 8, 2, 6, 1}*

***Input****: arr[] = {1, 4, 3, 2}****Output****: arr[] = {1, 4, 2, 3}*

**TASK 2:**  
You are given an unsorted array of 100 elements. All elements are between 1-100 in value,

and all are distinct except one element that repeats two times.