Array Statistics

50 POINTS

Given an array A of size N. Find the mean and median of the array.

Input format:
First line of input contains a single integer denoting the size of the array N
Second line input contains N space separated integers denoting the elements of the array.

Output format:
A line of output containing two space separated number up-to 6 digits after the decimal point.

Constraints:
(i) $2 \leq N \leq 10^5$
(ii) $0 \leq array[i] \leq 10^2$

Test Case - 1
10
63 23 25 78 42 24 85 94 12 7
45.300000 33.500000

Test Case - 2
15
45 74 88 5 0 52 32 39 58 14 34 27 19 63 44
39.600000 39.000000

Problem tags:

THE COMPLETE C COURSE   ARRAY   EASY