

Kth Largest Number

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1 Problem Statement

You are given an array a of size n . you have to find out the k^{th} largest element.

2 Constraints

1. $0 \leq a_i \leq 10^9$
2. $1 \leq n \leq 10^6$
3. $1 \leq k \leq n$

3 Input Format

n k
 a_1 a_2 a_n

example:
10 3
1 2 3 4 5 6 7 8 9 10

4 Output Format

x

example:
8