

Problem statement[Send feedback](#)

Sort the given unsorted array '**arr**' of size '**N**' in non-decreasing order using the selection sort algorithm.

Note:

Change in the input array/list itself.

Example:

Input:

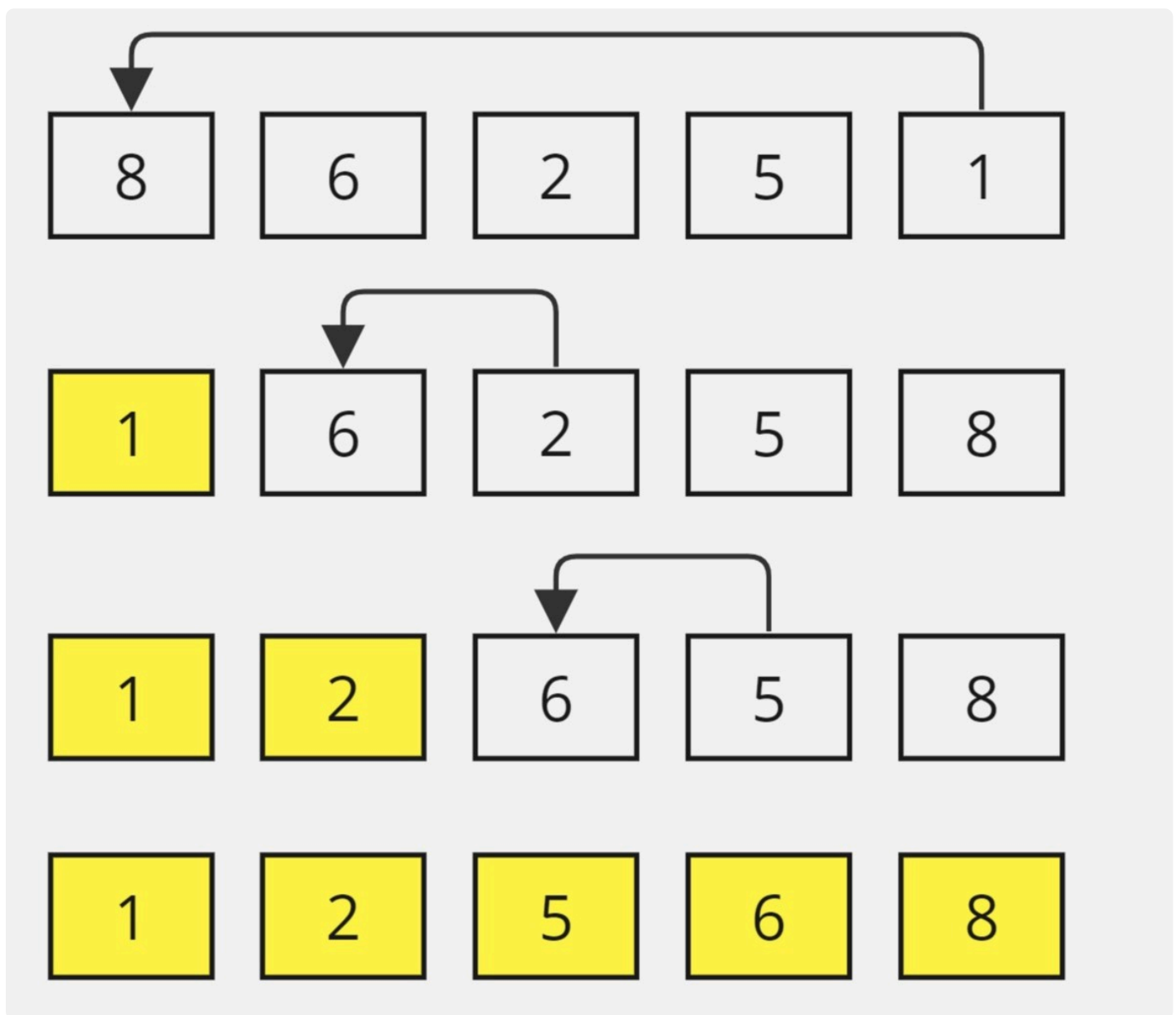
N = 5

arr = {8, 6, 2, 5, 1}

Output:

1 2 5 6 8

Explanation:



Detailed explanation (Input/output format, Notes, Images)

Sample Input 1:

6
2 13 4 1 3 6

Sample Output 1:

1 2 3 4 6 13

Explanation Of Sample Input 1:

Select 1 and swap with element at index 0. arr= {1,13,4,2,3,6}

Select 2 and swap with element at index 1. arr= {1,2,4,13,3,6}

Select 3 and swap with element at index 2. arr= {1,2,3,13,4,6}

Select 4 and swap with element at index 3. arr= {1,2,3,4,13,6}

Select 6 and swap with element at index 4. arr= {1,2,3,4,6,13}

Sample Input 2:

5
9 3 6 2 0

Sample Output 2:

0 2 3 6 9

Constraints :

$1 \leq N \leq 10^3$

$0 \leq \text{arr}[i] \leq 10^5$

Time Limit: 1 sec