

Insert Element at a Specific Position in an Array !!

Problem Statement

Noah is building a data management tool where users can dynamically insert elements into a list.

He needs a program that takes an array of integers and **inserts a new element at a specified position**, shifting the remaining elements to the right.

Your task is to help Noah by writing a program that performs this insertion and displays the updated array.

Input Format

- The first line contains an integer N , representing the number of elements in the array.
- The second line contains N space-separated integers, representing the array elements.
- The third line contains an integer $Value$, representing the element to be inserted.
- The fourth line contains an integer $Position$, representing the index (1-based) at which the element should be inserted.

Constraints

- $1 \leq N \leq 100$
- $-10^5 \leq \text{Array Element} \leq 10^5$
- $1 \leq \text{Position} \leq N + 1$

Output Format

- Print the array after inserting the element in the specified position.
- The elements should be separated by a space.

Sample Input 0

```
5
10 20 30 40 50
25
3
```

Sample Output 0

```
10 20 25 30 40 50
```