

ReverseSub

Problem Code	ds54b_quiz1_reversesub
Running Time Limit	1 sec
Memory Limit	16 mb

Objective

- To test knowledge about manipulating 1D array

Introduction

You've learned about reversing an entire array in class. In today problem we want to reverse only a subset of array.

Task

Fill in the implementation of function reverseSub in the code below.

Input

The first line of input contains three integers indicating **n**, **first**, **last** respectively, where **n** is the size of the array, **first** is the index of the first element to be reversed, **last** is the index of the last element to be reversed.

The second line of input contains **n** integers indicating the elements of array.

Note: You can assume $0 < n < 10000$, $0 \leq \text{first} \leq \text{last} < n$

Output

The output contains **n** integer showing the elements of the array after the elements **first** ... **last** are reversed

Example

Ex1

Input	Output
8 1 4 1 2 3 4 5 6 7 8	1 5 4 3 2 6 7 8

Ex2

Input	Output
10 0 3 2 7 6 8 3 4 1 10 12 14	8 6 7 2 3 4 1 10 12 14

Main.c

```
/*
LANG: C++
TASK: ds54b_quiz1_reversesub
*/

#include <stdio.h>
#include <stdlib.h>

void reverseSub(int* data, int n, int first, int last) {
    // Fill in your code here
}

int main() {
    int n, first, last;
    int* data;
    int i;

    scanf("%d", &n);
    scanf("%d", &first);
    scanf("%d", &last);

    data = (int*)malloc(sizeof(int) * n);
    for (i = 0; i < n; i++) {
        scanf("%d", &data[i]);
    }
    reverseSub(data, n, first, last);
    for (i = 0; i < n; i++) {
        printf("%d ", data[i]);
    }
    printf("\n");

    free(data);
    return 0;
}
```