Week-15-Pointers: Attempt review | REC-CIS - Google Chrome

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REC-CIS

```c
/*
 * Complete the 'reverseArray' function below.
 *
 * The function is expected to return an INTEGER_ARRAY.
 * The function accepts INTEGER_ARRAY arr as parameter.
 */

/*
 * To return the integer array from the function, you should:
 *     - Store the size of the array to be returned in the result_count variable
 *     - Allocate the array statically or dynamically
 *
 * For example,
 * int* return_integer_array_using_static_allocation(int* result_count) {
 *     *result_count = 5;
 *
 *     static int a[5] = {1, 2, 3, 4, 5};
 *
 *     return a;
 * }
 *
 * int* return_integer_array_using_dynamic_allocation(int* result_count) {
 *     *result_count = 5;
 *
 *     int *a = malloc(5 * sizeof(int));
 *
 *     for (int i = 0; i < 5; i++) {
 *         *(a + i) = i + 1;
 *     }
 *
 *     return a;
 * }
 *
 */
#include<stdio.h>
```

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REC-CIS

```
31      *     return a;
32      * }
33      *
34      */
35     #include<stdio.h>
36     #include<stdlib.h>
37     int* reverseArray(int arr_count, int *arr, int *result_count) {
38         int* result=(int*)malloc(arr_count * sizeof(int));
39         if(result==NULL){
40             return NULL;
41         }
42         for (int i=0;i<arr_count;i++)
43         {
44             result[i]=arr[arr_count-i-1];
45
46         }
47         *result_count=arr_count;
48         return result;
49
50     }
51
```

	Test	Expected	Got	

✓	int arr[] = {1, 3, 2, 4, 5};
	int result_count;
	int* result = reverseArray(5, arr, &result_count);
	for (int i = 0; i < result_count; i++)
	printf("%d\n", *(result + i));
		5
		4
		2
		3
		1
			5
			4
			2
			3
			1
				✓

Passed all tests! ✓

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REC-CIS

Answer: (penalty regime: 0 %)

Reset answer

```
/*
 * Complete the 'cutThemAll' function below.
 *
 * The function is expected to return a STRING.
 * The function accepts following parameters:
 *  1. LONG_INTEGER_ARRAY lengths
 *  2. LONG_INTEGER minLength
 */


/*
 * To return the string from the function, you should either do static allocation or dynamic allocati
 *
 * For example,
 * char* return_string_using_static_allocation() {
 *     static char s[] = "static allocation of string";
 *
 *     return s;
 * }
 *
 * char* return_string_using_dynamic_allocation() {
 *     char* s = malloc(100 * sizeof(char));
 *
 *     s = "dynamic allocation of string";
 *
 *     return s;
 * }
 *
 */
 #include<stdio.h>
char* cutThemAll(int lengths_count, long *lengths, long minLength) {
    long t=0,i=1;
```

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REC-CIS

```c
 *
 */
 #include<stdio.h>
char* cutThemAll(int lengths_count, long *lengths, long minLength) {
    long t=0,i=1;
    for(int i=0;i<=lengths_count-1;i++){
        t+=lengths[i];
    }
    do{
        if(t-lengths[lengths_count-1]<minLength){
            return "Impossible";
        }
        i++;
    }while(i<lengths_count-i);
    return "Possible";

}

```

	Test	Expected	Got	
✓	long lengths[] = {3, 5, 4, 3}; printf("%s", cutThemAll(4, lengths, 9))	Possible	Possible	✓
✓	long lengths[] = {5, 6, 2}; printf("%s", cutThemAll(3, lengths, 12))	Impossible	Impossible	✓

Passed all tests! ✓

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