MAGASHRI V 2024-CSE M2

Assessment-12-Recursive Functions

Week-13-Passing Arrays and Strings to Functions

Week-13-Passing Arrays and Strings to Functions ✓ Done

Assessment-13-Passing Arrays and Strings to Functions

Week-14-Structures and Unions

Week-14-Structures and Unions ✓ Done

Week-15-Pointers

Week-15-Pointers ✓ Done

```c
 *
 */
#include<stdio.h>
#include<stdlib.h>
int* reverseArray(int arr_count, int *arr, int *result_count) {
    int* result=(int*)malloc(arr_count*sizeof(int));
    if(result ==NULL)
    {
        return NULL;
    }
    for(int i=0;i<arr_count;i++)
    {
        result[i]=arr[arr_count-i-1];
    }
    *result_count=arr_count;
    return result;

}

```

	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! ✓

```
 * }
 *
 */
#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! ✓