

```

3      *
4      * The function is expected to return an INTEGER_ARRAY.
5      * The function accepts INTEGER_ARRAY arr as parameter.
6      */
7
8  ▾ /*
9      * To return the integer array from the function, you should:
10     *     - Store the size of the array to be returned in the result_count variable
11     *     - Allocate the array statically or dynamically
12     *
13     * For example,
14  ▾ * int* return_integer_array_using_static_allocation(int* result_count) {
15     *     *result_count = 5;
16     *
17     *     static int a[5] = {1, 2, 3, 4, 5};
18     *
19     *     return a;
20     * }
21     *
22  ▾ * int* return_integer_array_using_dynamic_allocation(int* result_count) {
23     *     *result_count = 5;
24     *
25     *     int *a = malloc(5 * sizeof(int));
26     *
27  ▾ *     for (int i = 0; i < 5; i++) {
28     *         *(a + i) = i + 1;
29     *     }
30     *
31     *     return a;
32     * }
33     *
34     */
35  ▾ int* reverseArray(int arr_count, int *arr, int *result_count) {
36     *result_count=arr_count;
37     for(int i=0;i<arr_count/2;i++)
38  ▾ {
39         int temp=arr[i];
40         arr[i]=arr[arr_count-i-1];
41         arr[arr_count-i-1]=temp;
42     }
43     return arr;
44 }
45

```

	Test	Expected	Got	
✓	<pre>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));</pre>	5 4 2 3 1	5 4 2 3 1	✓

Passed all tests! ✓

```

1  /*
2  * Complete the 'cutThemAll' function below.
3  *
4  * The function is expected to return a STRING.
5  * The function accepts following parameters:
6  * 1. LONG_INTEGER_ARRAY lengths
7  * 2. LONG_INTEGER minLength
8  */
9
10 /*
11 * To return the string from the function, you should either do static allocation or dynamic allocation
12 *
13 * For example,
14 * char* return_string_using_static_allocation() {
15 *     static char s[] = "static allocation of string";
16 *
17 *     return s;
18 * }
19 *
20 * char* return_string_using_dynamic_allocation() {
21 *     char* s = malloc(100 * sizeof(char));
22 *
23 *     s = "dynamic allocation of string";
24 *
25 *     return s;
26 * }
27 *
28 */
29 char* cutThemAll(int lengths_count, long *lengths, long minLength) {
30     long t=0,i=1;
31     for(int i=0;i<=lengths_count-1;i++)
32     {
33         t+=lengths[i];
34     }
35     do{
36         if(t-lengths[lengths_count-1]<minLength){
37             return "Impossible";
38         }
39         i++;
40     }while(i<lengths_count-1);
41     return "Possible";
42 }

```

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

Passed all tests! ✓