Question 1	Given an array of integers, reverse the given array in place using an index and loop rather than a built-in function.
Correct	Example
Marked out of 1.00	arr = [1, 3, 2, 4, 5]
₹ Rag	Return the array [5, 4, 2, 3, 1] which is the reverse of the input array.
question	Function Description
	Complete the function reverseArray in the editor below.
	reverseArray has the following parameter(s):
	int arr[n]: an array of integers
	Return
	int[n]: the array in reverse order
	Constraints
	1 ≤ n ≤ 100
	0 < arr[i] < 100
	Input Format For Custom Testing
	The first line contains an integer, n, the number of elements in arr.
	Each line $i$ of the $n$ subsequent lines (where $0 \le i \le n$ ) contains an integer, $arr[i]$ .
	Sample Case 0
	Sample Input For Custom Testing
	5
	at the state of th
	3
	2
	4
	.5
	Sample Output
	5
	4
	2
	3
	il Companies
	Explanation
ii	The input array is [1, 3, 2, 4, 5], so the reverse of the input array is [5, 4, 2, 3, 1].

## Answer: (penalty regime: 0 %)

\* Complete the 'reverseArray' function below.

## Reset answer

2

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3
     * The function is expected to return an INTEGER ARRAY.
     * 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
           - Allocate the array statically or dynamically
11
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:
     + }
28
21
22
     * int* return_integer_array_using dynamic_allocation(int* result_count) {
           *result count = 5:
23
24
           int *a = malloc(5 * sizeof(int));
25
26
           for (int i = 0: 1 < 5: i++) {
27
28
               *(a + 1) = 1 + 1:
29
38
31
           return a:
32
33
34
    #include<stdio.h>
35
36
    #include<stdlib.h>
    int* reverseArray(int arr_count, int *arr, int *result count){
37
        int* result=(int*)malloc(arr_count*sizeof(int));
38
39
        if(result==NULL){
40
            return NULL:
41
        for(int i=0;i<arr count;i++){
42
            result[i]=arr[arr_count-1-1];
43
44
45
        *result count-arr count;
46
        return result:
47
48
```

	Test	Expected	Go
4	int arr[] = {1, 3, 2, 4, 5};	5	5
	int result_count;	4	4
	<pre>int* result = reverseArray(5, arr, &amp;result_count);</pre>	2	2
	for (int 1 = 0; 1 < result_count; 1++)	3	3
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	<pre>int* result = reverseArray(5, arr, &amp;result_count);</pre>	2	2
	for (int 1 = 0; 1 < result_count; 1++)	3	3
	printf("%d\n", *(result + 1));	1	1
-			

Passed all tests! <

Question 2 Correct Marked out of 1.00	An automated cutting machine is used to cut rods into segments. The cutting machine can only hold a rod of minLength or more, and it can only make one cut at a time. Given the array lengths representing the desired lengths of each segment, determine if it is possible to make the necessary cuts using this machine. The rod is marked into lengths already, in the order given.
₹ Flag question	Example
	n = 3
	lengths = [4, 3, 2]
	minLength = 7
	The rod is initially $sum(lengths) = 4 + 3 + 2 = 9$ units long. First cut off the segment of length $4 + 3 = 7$ leaving a rod $9 - 7 = 2$ . Then check that the length $7$ rod can be cut into segments of lengths $4$ and $3$ . Since $7$ is greater than or equal to $minLength = 7$ , the final cut can be made. Return "Possible".
	Example
	n = 3
	lengths = [4, 2, 3]
	minLength = 7
	The rod is initially sum(lengths) = 4 + 2 + 3 = 9 units long. In this case, the initial cut can be of length 4 or 4 + 2 = 6. Regardless of the length of the first cut, the remaining piece will be shorter than minLength. Because n - 1 = 2 cuts cannot be made, the answer is "Impossible".
	Function Description
	Complete the function cutThemAll in the editor below.
	cutThemAll has the following parameter(s):
	int lengths[n]: the lengths of the segments, in order
	int minLength: the minimum length the machine can accept
	Returns
	string: "Possible" if all n-1 cuts can be made. Otherwise, return the string "Impossible".

Question 2

Answer: (penalty regime: 0 %)

Reset answer

```
#Includerstdig.h>
    char* cutThemAll(int lengths_count, long *lengths, long minLength) {
     long t=0.1=1;
     for(int i=0;i<=lengths_count-1;i++){
5
         t+=lengths[1];
6
7 -
     dof
8
         if(t-lengths[lengths_count-1]<minLength){
9
            return "Impossible";
18
       1++;
11
13
     while(i<lengths_count-i);
14
     return "Possible";
15
16
```

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

Passed all tests! ✓