Given an array of integers, reverse the given array in place Question 1 using an index and loop rather than a built-in function. Correct Marked out of Example 1.00 arr = [1, 3, 2, 4, 5] Flag question Return the array [5, 4, 2, 3, 1] which is the reverse of the input array. **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 $0 < arr[i] \le 100$ 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 $0 \le i < n$) contains an integer, arr[i]. Sample Case 0 Sample Input For Custom Testing 5 1 3 2 4 5

Sample Output

5 4 2

3

4 17

10 21

Explanation

array is [5, 4, 2, 3, 1].

Sample Input For Custom Testing

Sample Case 1

The input array is [1, 3, 2, 4, 5], so the reverse of the input

he input array is [17, 10, 21, 45], so the reverse of the input rray is [45, 21, 10, 17].

inswer: (penalty regime: 0 %)

Reset answer

```
1 - 1 /*
    * Complete the 'reverseArray' function be
2
3
4
    * The function is expected to return an
5
    * The function accepts INTEGER_ARRAY arr
6
7
8 +
9
     * To return the integer array from the fi
10
           - Store the size of the array to be
11
           - Allocate the array statically or
12
     * For example,
13
14 * int* return_integer_array_using_static
15
           *result_count = 5;
16
           static int a[5] = \{1, 2, 3, 4, 5\};
17
18
19
           return a;
     * }
20
21
22 🔻
     * int* return_integer_array_using_dynami
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
         *result_count=arr_count;
 36
 37
         static int rev[100];
 38
         int i, j=0;
 39
         for(i=arr_count-1;i>=0;i--)
 40
         rev[j++]=arr[i];
 41
         return rev;
 42
 43
     }
 44
```

Question 2

Correct

Marked out of 1.00

F Flag question

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.

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".

Constraints

- 2≤n≤10⁵
- 1 ≤ t ≤ 10⁹

The uncut rod is 5 + 6 + 2 = 13 units long. After making either cut, the rod will be too short to make the second cut.

Answer: (penalty regime: 0 %)

Reset answer

```
* Complete the 'cutThemAll' function bel
  3
  4
      * The function is expected to return a S
  5
      * The function accepts following paramet
      * 1. LONG_INTEGER_ARRAY lengths
      * 2. LONG_INTEGER minLength
  7
      */
  8
  9
 10 - /*
      * To return the string from the function
 11
 12
      * For example,
 13
 14 * char* return_string_using_static_allocation
 15
           static char s[] = "static allocation
 16
 17
           return s;
 18
      * }
 19
 20 * * char* return_string_using_dynamic_allo
 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
30
        int s=0;
31
        for(int i=0;i<lengths_count-1;i++)</pre>
32 •
33
            s += *(lengths + i);
34
        }
35
        if(s>=minLength)
36 •
37
            return "Possible";
38
        }
39
        else
40 .
        {
41
            return "Impossible";
42
43
44 }
45
```

	Test	Ex
~	<pre>long lengths[] = {3, 5, 4, 3}; printf("%s", cutThemAll(4, lengths, 9))</pre>	Po
~	<pre>long lengths[] = {5, 6, 2}; printf("%s", cutThemAll(3, lengths, 12))</pre>	Im