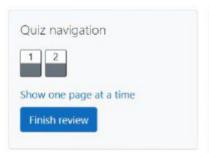
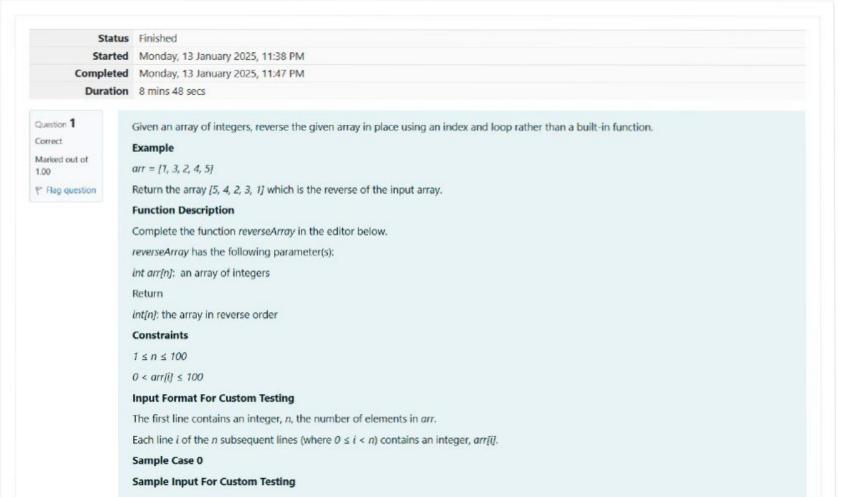
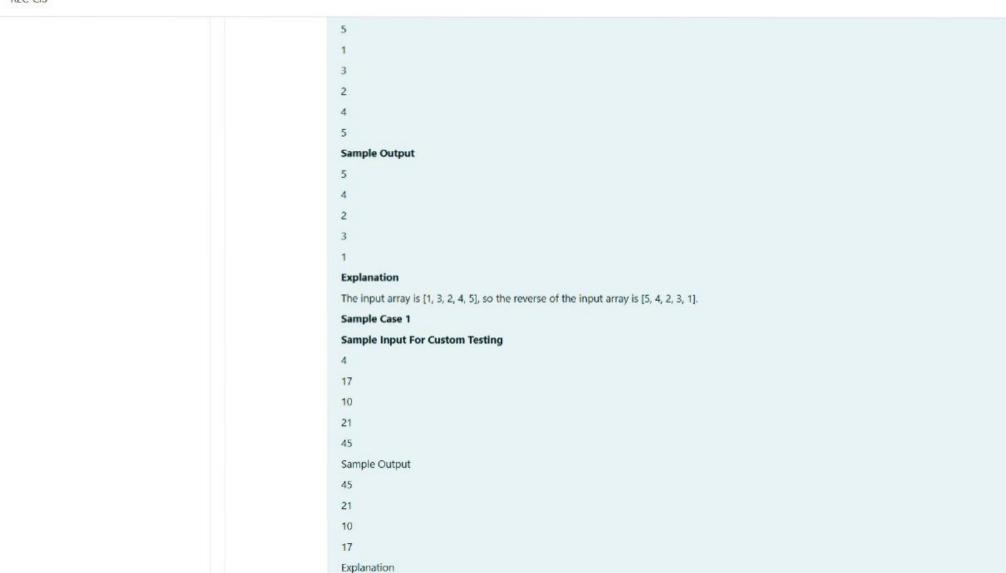
GE23131-Programming Using C-2024







```
Answer: (penalty regime: 0 %)
 Reset answer
Ace editor not ready. Perhaps reload page?
Falling back to raw text area.
       for (int i = 0; i < 5; i++) {
            *(a + i) = i + 1;
       return a;
int* reverseArray(int arr_count, int *arr, int *result_count) {
    *result_count=arr_count;
    static int rev[100];
    int i, j=0;
    for(i=arr_count-1;i>=0;i--)
    rev[j++]=arr[i];
    return rev;
```

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

Question 2 Correct Marked out of 1.00 P Flag question

An automated cutting machine is used to cut rods into segments. The cutting machine can only hold a rod of *mintength* 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

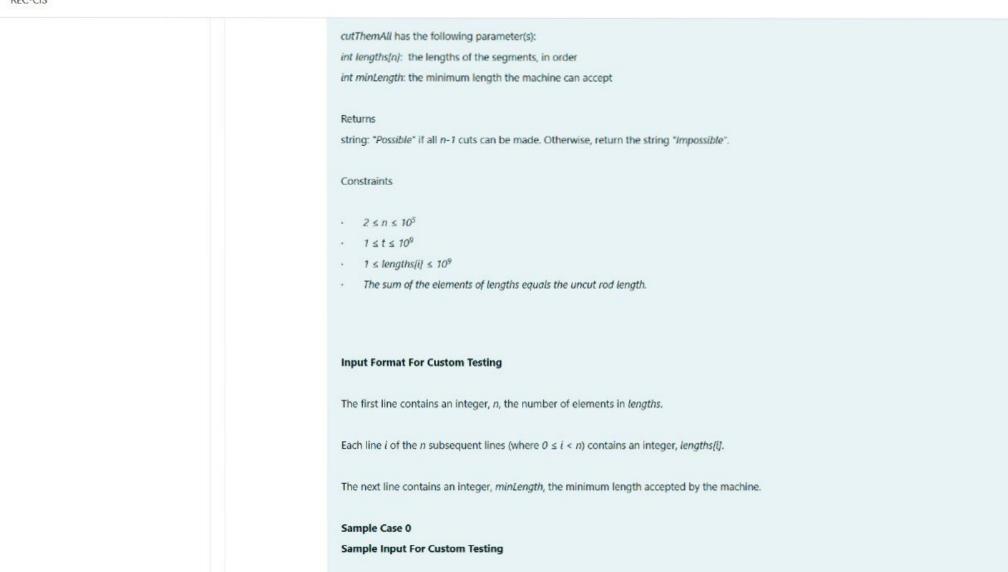
lengths = [4, 2, 3]

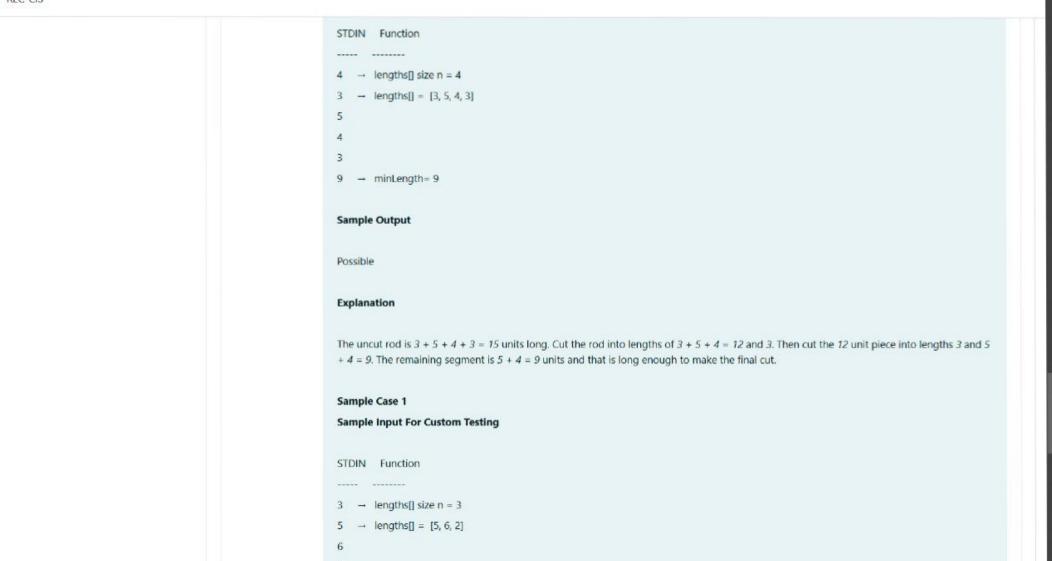
minLength = 7

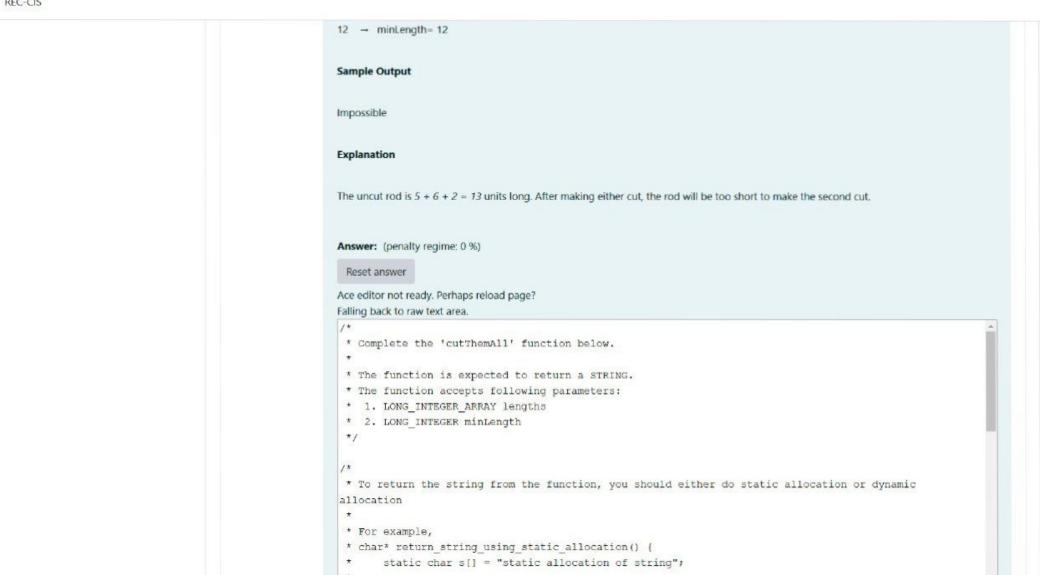
The rod is initially sum(lengths) = 4 + 2 + 3 = 9 units long. In this case, the initial cut can be of length 4 or 4 + 2 = 6. Regardless of the length of the first cut, the remaining piece will be shorter than minLength. Because n - 1 = 2 cuts cannot be made, the answer is "lmpossible".

Function Description

Complete the function cutThemAll in the editor below.







```
Answer: (penalty regime: 0 %)
 Reset answer
Ace editor not ready. Perhaps reload page?
Falling back to raw text area.
char* cutThemAll(int lengths_count, long *lengths, long minLength) (
     int s = 0;
      for(int i=0;i<lengths count-1;i++)</pre>
          S+=*(lengths+i);
      if(S>= minLength)
          return "Possible";
      else
          return "Impossible";
```

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