

sudhanshu r 240801340 week 13

Week 13: Passing Arrays and Strings to Functions: Attempt review | KLC CIS - Google Chrome

Not secure | rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=159339&mid=406

REC-CIS

Answer: (penalty regime: 0 %)

Reset answer

```
1. /*
2.  * Complete the 'arraySum' function below.
3.  *
4.  * The function is expected to return an INTEGER.
5.  * The function accepts INTEGER_ARRAY numbers as parameter.
6.  */
7.
8. int arraySum(int numbers_count, int *numbers)
9. {
10.     int sum=0;
11.     for(int i=0;i<numbers_count;i++){
12.         sum=sum+numbers[i];
13.     }
14.     return sum;
15. }
16.
17.
```

	Test	Expected	Got	
✓	int arr[] = {1,2,3,4,5}; printf("%d", arraySum(5, arr))	15	15	✓

Passed all tests! ✓

24°C Mostly cloudy

Search

ENG IN

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```
3  *
4  * the function is expected to return an INTEGER.
5  * The function accepts INTEGER_ARRAY arr as parameter.
6  */
7  #include<stdio.h>
8  int compare(const void*a,const void*b){
9      return (*(int*)a-*(int*)b);
10 }
11 int minDiff(int arr_count,int*arr)
12 {
13     qsort(arr,arr_count,sizeof(int),compare);
14     int totaldiff=0;
15     for(int i=1;i<arr_count;i++){
16         totaldiff+=abs(arr[i]-arr[i-1]);
17     }
18     return totaldiff;
19 }
20
```

	Test	Expected	Got	
✓	int arr[] = {5, 1, 3, 7, 3}; printf("%d", minDiff(5, arr))	6	6	✓

Passed all tests! ✓

Finish review

REG-CIS

```
1 /*
2  * Complete the 'balancedSum' function below.
3  *
4  * The function is expected to return an INTEGER.
5  * The function accepts INTEGER_ARRAY arr as parameter.
6  */
7
8 int balancedSum(int arr_count, int* arr)
9 {
10     int totalsum=0;
11     for(int i=0;i<arr_count;i++){
12         totalsum+=arr[i];
13     }
14     int leftsum=0;
15     for(int i=0;i<arr_count;i++){
16         int rightsum=totalsum-leftsum-arr[i];
17         if(leftsum==rightsum){
18             return i;
19         }
20         leftsum+=arr[i];
21     }
22     return 1;
23 }
24
25
26
```

	Test	Expected	Got	
✓	int arr[] = {1,2,3,3}; printf("%d", balancedSum(4, arr))	2	2	✓

Passed all tests! ✓