

DAILY ONLINE ACTIVITIES SUMMARY

Date:	16/06/2020	Name:	Raghavendra s
Sem & Sec	8 sem B sec	USN:	4AL16CS071
Online Test Summary			
Subject	BDA		
Max. Marks	30	Score	24
Certification Course Summary			
Course	Introduction to R		
Certificate Provider	greatlearning	Duration	3.00hrs
Coding Challenges			
Problem Statement:			
Status: Solved			
Uploaded the report in Github		Uploaded	
If yes Repository name		Raghavendra s	
Uploaded the report in slack		yes	

Online Test Details: (Attach the snapshot and briefly write the report for the same)

Certification Course Details: (Attach the snapshot and briefly write the report for the same)

Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

online certificate

	Exporting Data	6m	
	Plots_Numeric	12m	
	Plots_Categorical	8m	
	Plots_Combinations	5m	
	Export Plots	2m	
	Case Study : House Prices	31m	
	Quiz 1	Your Score: 9/15	

ONLINE CODDING

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Practice > C > Functions > Variadic functions in C

Variadic functions in C

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Rank: 51510 | Points: 165/200



Problem

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Variadic functions are functions which take a variable number of arguments. In C programming, a variadic function will contribute to the flexibility of the program that you are developing.

The declaration of a variadic function starts with the declaration of at least one named variable, and uses an ellipsis as the last parameter, e.g.

```
int printf(const char* format, ...);
```

In this problem, you will implement three variadic functions named `sum()`, `min()` and `max()` to calculate sums, minima, maxima of a variable number of arguments. The first argument passed to the variadic function is the count of the number of arguments, which is followed by the arguments themselves.

Input Format

- The first line of the input consists of an integer `number_of_test_cases`.
- Each test case tests the logic of your code by sending a test implementation of 3, 5 and 10 elements respectively.
- You can test your code against sample/custom input.
- The error log prints the parameters which are passed to the test implementation. It also prints the sum, minimum element and maximum element corresponding to your code.

Author ishan_nitj
Difficulty Medium
Max Score 50
Submitted By 18581

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Input Format

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Constraints

$1 \leq \text{number_of_test_cases} \leq 50$

$1 \leq \text{element} \leq 1000000$.

Output Format

"Correct Answer" is printed corresponding to each correct execution of a test implementation. "Wrong Answer" is printed otherwise.

Sample Input 0

```
1
```

Sample Output 0

```
Correct Answer
Correct Answer
Correct Answer
```



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Program:

```
int sum (int count,...) {
    int sum=0;
    va_list values;
    va_start(values,count);
    for(int i=0;i<count;i++){
        sum+=va_arg(values,int);
    }
    va_end(values);
    return sum;
}

int min(int count,...) {
    int min=MAX_ELEMENT,test;
    va_list values;
    va_start(values,count);
    for(int i=0;i<count;i++){
        test=va_arg(values,int);
        if(min>test){
            min=test;
        }
    }
    va_end(values);
}
```

```
    return min;
}
```

```
int max(int count,...) {
    int max=MIN_ELEMENT,test;
    va_list values;
    va_start(values,count);
    for(int i=0;i<count;i++){
        test=va_arg(values,int);
        if(max<test){
            max=test;
        }
    }
    va_end(values);
    return max;
}
```