

X



NPAT 2017

www.kRahul214@gmail.com | [Logout](#)
[Home](#) [NPAT 2017](#) [Revise C](#) [Revise C++](#) [Revise Java](#) [Announcements](#) [Forum](#)

Progress

● NPAT 2017

● NPAT
Information● Q1.
Multiple of at
least two digits● Q2.
Triangle
inequality● Q3. Does
an integer
appear k times
in first n
positions of an
array● Q4.
Maximum of 3
given integers● Q5.
Largest sum
of m
consecutive
elements● Q6.
Additive
sequence of an
array● Q7.
Printing 2n
lines in reverse
sequence● Q8. Most
frequent 3
integers

○ Practice Corner

Q5. Largest sum of m consecutive elements

Due on 2017-08-13, 18:00 IST

Weightage: 10%

Complete the following function so that it returns the largest sum of m consecutive elements in an array of size n. You can assume that $0 \leq m \leq n$.

Therefore, assuming the array is [8 2 0 5 6 7 1 2 3]

if $m = 2$, largest sum will be 13 (6 + 7)

if $m = 5$, largest sum will be 21 (8 + 2 + 0 + 5 + 6)

Sample Test Cases

	Input	Output
Test Case 1	3 2 0 1 2	3
Test Case 2	3 2 0 2 1	3
Test Case 3	1 0 -1	0
Test Case 4	2 1	-1

<input type="radio"/> Compiler Information		-1	
<input type="radio"/> Sum of two numbers		-1	
<input type="radio"/> Solution for Sum of two numbers	Test Case 5	2 1 -1 -2	-1
<input type="radio"/> Factorial			
<input type="radio"/> Solution for Factorial	Test Case 6	2 1 -2 -1	-1
<input type="radio"/> Reverse Words	Test Case 7	3 2 1 0 2	2
<input type="radio"/> Store Credit			
<input type="radio"/> Solution for Reverse Words	Test Case 8	3 2 1 2 0	3
<input type="radio"/> Leap Year	Test Case 9	3 2 2 0 1	2
	Test Case 10	3 2 2 1 0	3

Due Date Exceeded. You scored 62.5/100.

Your last recorded submission was :

```
#include <stdio.h>

int maxConsecutive(int *a, int n, int m) {
    int sum = 0;
    for(int i = 0; i < m; i++) {
        sum += a[i];
    }
    int max = sum;
    for(int i = m; i < n; i++) {
        // Write your code in this space
        sum+=a[i];
        if(sum>max)
        {max=sum;}
    }
}
```

```
18     }
19     return max;
20 }
21 int main() {
22     int n, m;
23     int a[10];
24     int i;
25
26     scanf("%d %d", &n, &m);
27     for(i=0; i<n; i++)
28         scanf("%d", &a[i]);
29     printf("%d\n", maxConsecutive(a, n, m));
30
31     return 0;
32 }
33
```

End

© 2017 NPAT - [Privacy & Terms](#) - [Honor Code](#) - [FAQs](#)

A project of



In association with



Powered by

Google

[NPAT](#) · [Privacy & Terms](#) · [Delete My Data](#)