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200801199@rajalakshmi.edu.in ▾

NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » **Problem Solving Through Programming In C (course)**



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Course outline

How does an
NPTEL
online
course
work? ()

Week 0 : ()

Week 1 ()

Week 2 ()

Week 3 ()

Week 4 ()

Week 5 ()

Week 6 ()

Week 7 ()

Week 12 : Programming Assignment 3

Due on 2023-10-19, 23:59 IST

Write a C program to store n elements using Dynamic Memory Allocation - calloc() and find the Largest element

Your last recorded submission was on 2023-10-11, 13:43 IST

Select the Language for this assignment. C ▾

```

1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int main()
5 {
6     int n;
7     float *element;
8
9     scanf("%d", &n); //Total number of elements
10
11     // Allocate the memory for 'n' number of elements.
12     //Then take the elements as input from test data
13
14     element = (float*) calloc(n, sizeof(float));
15     if(element == NULL)
16     {
17         printf("Error!!! memory not allocated.");
18         exit(0);
19     }
20     // Stores the number entered by the user.
21     int i;
22     for(i = 0; i < n; ++i)
23     {
24         scanf("%f", element + i);
25     }
26     // find the largest
27     for(i = 1; i < n; ++i)
28     {
29         if(*element < *(element + i))
30             *element = *(element + i);
31     }
32     printf("Largest element = %.2f", *element);
33     return 0;
34 }
```

[Week 8 \(\)](#)[Week 9 \(\)](#)[Week 10 \(\)](#)[Week 11 \(\)](#)[Week 12 \(\)](#)[DOWNLOAD
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Transcripts \(\)](#)[Problem
Solving
Session -
July 2023 \(\)](#)

You may submit any number of times before the due date. The final submission will be considered for grading.

This assignment has Public Test cases. Please click on "Compile & Run" button to see the status of Public test cases. Assignment will be evaluated only after submitting using Submit button below. If you only save as or compile and run the Program , your assignment will not be graded and you will not see your score after the deadline.

[Save as Draft](#)[Compile & Run](#)[Submit](#)[Reset](#)

Sample Test Cases

	Input	Output
Test Case 1	5 200 300 500 100 400	Largest element = 500.00