

X



(<https://swayam.gov.in>)



(https://swayam.gov.in/nc_details/NPTEL)

navnathdeshmukh363@gmail.com ▾

NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Programming in Modern C++ (course)



Register for Certification
exam

(https://examform.nptel.ac.in/2023_01/exam_form/dashboard)

W3_Programming_Qs-2

Due on 2023-02-16, 23:59 IST

Consider the following program.

- Fill in the blank at LINE-1 with the appropriate initializer statement for the parameterized constructor,
- Fill in the blank at LINE-2 with the appropriate statement which deletes the dynamically allocated memory to data member `arr`

The program must satisfy the sample input and output.

Private Test cases used for evaluation

Input

Expected Output

Actual Output

Status



Course outline

How does an NPTEL
online course work? ()

Week 0 ()

Week 1 ()

Week 2 ()**Week 3 ()**

- Lecture 11 : Classes and Objects (unit? unit=42&lesson=43)
- Lecture12 : Access Specifiers (unit? unit=42&lesson=44)
- Lecture 13 : Constructors, Destructors & Object Lifetime (unit? unit=42&lesson=45)
- Lecture 14 : Copy Constructor and Copy Assignment Operator (unit?unit=42&lesson=46)
- Lecture 15 : Const-ness (unit?unit=42&lesson=47)
- Tutorial 03 : How to build a C/C++ program?: Part 3: make Utility (unit? unit=42&lesson=48)
- Week 3 Lecture Material (unit?unit=42&lesson=49)
- Quiz: Week 3 : Assignment 3 (assessment?name=172)
- W3_Programming_Qs-1 (/noc23_cs50/progassignment?

Test Case 1

4
a r u p

Max: u

Max: u

Passed

The due date for submitting this assignment has passed.

1 out of 1 tests passed.

You scored 100.0/100.

Assignment submitted on 2023-02-07, 15:01 IST

Your last recorded submission was :

```

1 #include<iostream>
2 using namespace std;
3
4 class Array{
5     char *arr;
6     int size;
7
8     public:
9         Array(int n) : size(n), arr(new char[n]){} //LINE-1
10
11         ~Array(){ delete arr; } //LINE-2
12
13         void EnterElement(){
14             for(int i=0;i<size;i++)
15                 cin >> arr[i];
16         }
17         void FindMax(){
18             char max = ' ';
19             for(int i=0;i<size;i++){
20                 if(max < arr[i])
21                     max = arr[i];
22             }
23             cout << "Max: " << max;
24         }
25 };
26 int main(){
27     int n;
28     cin >> n;
29     Array a(n);
30     a.EnterElement();
31     a.FindMax();
32     return 0;

```



name=173)

33 }

☒ **W3_Programming_Qs-2**
(/noc23_cs50/progassignment?
name=174)

☒ W3_Programming_Qs-3
(/noc23_cs50/progassignment?
name=175)

☒ Week 3 Feedback Form
(unit?unit=42&lesson=50)

☐ Assignment 3 Solution
(unit?unit=42&lesson=51)

Week 4 ()

Week 5 ()

Week 6 ()

Week 7 ()

Week 8 ()

Download Videos ()

Books ()

Transcripts ()

**Problem Solving
Session ()**



