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

Announcements (announcements) **About the Course (preview)** Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

W7_Programming-Qs4

Due on 2020-11-05, 23:59 IST

Consider the following program. Fill in the blank at `LINE-1` with appropriate initializer statement for the class constructor. Fill in the blanks at `LINE-2` and `LINE-3` with appropriate function headers for operator overloading such that it satisfies the given test cases.

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1	5 9 1 2 3 5	5 3 2 1 9	5 3 2 1 9	Passed

The due date for submitting this assignment has passed.
1 out of 1 tests passed.
You scored 100.0/100.

Assignment submitted on 2020-11-05, 22:55 IST

Your last recorded submission was :

```cpp
 1  #include <iostream>
 2  using namespace std;
 3
 4  class Container {
 5      int i;
 6      int *arr;
 7  public:
 8      Container(int k) :  i(k),arr(new int[k]){ } // LINE-1
 9
10      operator int() { // LINE-2
11          return arr[--i];
12      }
13
14      Container& operator =(int k){ // LINE-3
15          int t;
16          for (int j = 0; j < k; j++){
17              cin >> t;
```

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

○ Module 31 : Virtual Function Table (Lecture 46) (unit? unit=80&lesson=81)

○ Module 32 : Type Casting and Cast Operators : Part I (Lecture 47)

```cpp
18              this->arr[j] = t;
19          }
20          return *this;
21      }
22  };
23
24  int main() {
25      int k;
26      cin >> k;
27
28      Container c(k);
29      c = k;
30
31      for (int i = 0; i < k; i++)
32          cout << static_cast<int>(c) << " ";
33
34      return 0;
35  }
```

○ Feedback For
　Week 7 (unit?
　unit=80&lesson=88)

Week 8

**DOWNLOAD
VIDEOS**

Text Transcripts

**Assignment
Solution**

Books

**Live Interactive
Session**

**Programming Test
(11th Dec):
Session-1
(10.00AM -
11.00AM)**

**Programming Test
(11th Dec):
Session-2 (8.00PM
- 9.00PM)**