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vp2749@srmist.edu.in ▾

[NPTEL \(https://swayam.gov.in/explorer?ncCode=NPTEL\)](https://swayam.gov.in/explorer?ncCode=NPTEL) » **Programming in C++ (course)**
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W4_Programming-Qs4

Due on 2020-10-15, 23:59 IST

Consider the below program. Fill in the blanks at **LINE-1**, **LINE-2** and **LINE-3** by following given instructions such that it satisfies the given test cases.

Private Test cases used for evaluation

Input	Expected Output	Actual Output	Status
1 5	11	11	Passed

The due date for submitting this assignment has passed.

1 out of 1 tests passed.

You scored 100.0/100.

Assignment submitted on 2020-10-15, 19:20 IST

Your last recorded submission was :

```

1 #include <iostream>
2 using namespace std;
3
4 class myClass {
5     int data;
6     static myClass *t;           // LINE-1 Complete the declaration
7     myClass(int x) : data(x) { }
8 public:
9     static myClass *create(int x) { // LINE-2 Mention return type of the function
10         if (!t)
11             t = new myClass(x);    // LINE-3 Allocate memory towards object t
12         return t;
13     }
14     void show() {
15         cout << data;
16     }
17 };
18 myClass *myClass::t = 0;
19
20 int main() {

```

Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Module 16 :
Static Members
(Lecture 31)
(unit?
unit=56&lesson=57)

Module 17 :
Friend Function
and Friend Class
(Lecture 32)
(unit?
unit=56&lesson=58)

Module 18 :
Overloading
Operator for User
Defined Types:

Part - I (Lecture
33) (unit?
unit=56&lesson=59)

● Module 19 :
Overloading
Operator for User
Defined Types:
Part - II (Lecture
34) (unit?
unit=56&lesson=60)

● Module 20 :
Namespace
(Lecture 35)
(unit?
unit=56&lesson=61)

○ Lecture Materials
(unit?
unit=56&lesson=62)

● Quiz :
Assignment 4
(assessment?
name=136)

● W4_Programming-
Qs1
(/noc20_cs57/progassignment?
name=142)

● W4_Programming-
Qs2
(/noc20_cs57/progassignment?
name=143)

● W4_Programming-
Qs3
(/noc20_cs57/progassignment?
name=144)

● W4_Programming-
Qs4
(/noc20_cs57/progassignment?
name=145)

○ Feedback For
Week 4 (unit?
unit=56&lesson=63)

Week 5

Week 6

Week 7

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VIDEOS**

```

22     int x, y;
23     myClass *m1, *m2;
24
25     cin >> x >> y;
26     m1 = myClass::create(x);
27     m2 = myClass::create(y);
28
29     m1->show();
30     m2->show();
31
32     return 0;
33 }
```

Text Transcripts

**Assignment
Solution**

Books

**Live Interactive
Session**