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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)

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:

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
Test Case 1	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 :

```
#include <iostream>
using namespace std;

class myClass {
    int data;
    static myClass *t;        // LINE-1 Complete the declaration
    myClass(int x) : data(x) { }
public:
   static myClass *create(int x) {    // LINE-2 Mention return type of the function
        if (!t)
            t = new myClass(x);       // LINE-3 Allocate memory towards object t
            return t;
    }
    void show() {
        cout << data;
    }
};

myClass *myClass::t = 0;

int main() {
```

```
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