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W6_Programming-Qs3

Due on 2020-10-29, 23:59 IST

Consider the program below. Fill in the blanks at LINE-1 and LINE-2 to define appropriate destructors such that it matches given test cases. *Do not change any other part of the code.*

Private Test cases used for evaluation

Test Case 1

2

1 4 4 2

1 4 4 2

Passed

The due date for submitting this assignment has passed.

1 out of 1 tests passed.

You scored 100.0/100.

Assignment submitted on 2020-10-29, 23:10 IST

Your last recorded submission was :

```

1 #include <iostream>
2 using namespace std;
3
4 class Test {
5 public:
6     Test() { cout << "1 "; }
7
8     virtual ~Test();    // LINE-1
9
10 };
11
12 Test::~Test() { cout << "2 "; }
13
14 class DerivedTest : public Test {
15 public:
16     DerivedTest() { cout << "3 "; }
17     DerivedTest(int i) { cout << 2 * i << " "; }
18
19     ~DerivedTest();    // LINE-2
20
21 };
22

```

Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

☐ Module 26 :
Dynamic Binding
: Part I (Lecture
41) (unit?
unit=72&lesson=73)

☐ Module 27 :
Dynamic Binding
(Polymorphism) :
Part II (Lecture
42) (unit?
unit=72&lesson=74)

Module 28 :
Dynamic Binding
(Polymorphism) :
Part III (Lecture
43) (unit?
unit=72&lesson=75)

Module 29 :
Dynamic Binding
(Polymorphism)
Part IV (Lecture
44) (unit?
unit=72&lesson=76)

Module 30 :
Dynamic Binding
(Polymorphism) :
Part V (Lecture
45) (unit?
unit=72&lesson=77)

Lecture Materials
(unit?
unit=72&lesson=78)

Quiz :
Assignment 6
(assessment?
name=163)

W6_Programming-
Qs1
(/noc20_cs57/progassignment?
name=164)

W6_Programming-
Qs2
(/noc20_cs57/progassignment?
name=165)

**W6_Programming-
Qs3
(/noc20_cs57/progassignment?
name=166)**

W6_Programming-
Qs4
(/noc20_cs57/progassignment?
name=167)

Feedback For
Week 6 (unit?
unit=72&lesson=79)

Week 7

Week 8

```

23 DerivedTest::~~DerivedTest() { cout << "4 "; }
24
25 int main() {
26     int n;
27     cin >> n;
28
29     DerivedTest *d = new DerivedTest(n);
30     Test *t = d;
31
32     delete t;
33
34     return 0;
35 }

```

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**Live Interactive
Session**

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

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