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W6_Programming-Qs1

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

Consider the program below. Fill in the blank at LINE-1 with abstract function definition for `fun()`, and at LINE-2 and LINE-3 fill in the blanks with appropriate initialization list so that it satisfies the given test cases. *Do not change any other part of the code.*

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1	2 2	22 44	22 44	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, 22:52 IST
Your last recorded submission was :

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

class Base {
public:
    virtual void fun()=0; // LINE-1: Define fun as pure virtual function
};

class Derived1 : public Base {
    int d1;
public:
    Derived1(int n) :d1(n){ } // LINE-2: Complete constructor definition
    void fun() {
        cout << d1 << " ";
    }
};

```

```
18 class Derived2 : public Base {
19     int d2;
20 public:
21     Derived2(int n) : d2(n*2) { } // LINE-3: Complete constructor definition
22     void fun() {
23         cout << d2 << " ";
24     }
25 };
26
27 int main() {
28     int i;
29     cin >> i;
30
31     Base *b1 = new Derived1(i);
32     Base *b2 = new Derived2(i);
33
34     b1->fun();
35     b2->fun();
36
37     return 0;
38 }
```

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Books

Live Interactive Session

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

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