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W2_Programming-Qs1

Due on 2020-10-01, 23:59 IST

The following program is used to multiply two complex numbers. Fill in the blanks (in `LINE-1`, `LINE-2` and `LINE-3`) so that it will satisfy sample input and output.

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1	1 5 2 1 0	-48 20	-48 20	Passed

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

Assignment submitted on 2020-10-01, 23:30 IST

Your last recorded submission was :

```
1  #include <iostream>
2
3  using namespace std;
4
5  struct Complex {
6
7      int x, y;
8  };
9
10 Complex operator*(Complex &p1, Complex &p2) { // LINE-1
11
12     struct Complex p3 = { 0, 0 };
13
14     p3.x = (p1.x)*(p2.x)-(p1.y)*(p2.y); // LINE-2
15
16     p3.y = (p1.x)*(p2.y) +(p1.y)*(p2.x); // LINE-3
17
18     return p3;
19 }
20 int main() {
```

```
21
22      struct Complex p1, p2;
23
24      cin >> p1.x >> p1.y >> p2.x >> p2.y;
25
26      struct Complex p3 = p1*p2;
27
28      cout << p3.x << " " << p3.y;
29
30      return 0;
31  }
```