Philip Pesic

Week 4

September 11 2022

Week 4 Prog 5

Program 5 Rectangle - Complete the following code

then run it - Produce the correct output and Turn it in for credit

```
// main.cpp
// Week 4 Prog 5
// Created by Pippo Pesic on 9/11/22.
// classes example
#include <iostream>
using namespace std;
class Rectangle {
  int width, height;
 public:
  void set_values (int,int);
  int area() {
   int answer = width * height;
    // complete this function so the code works
    return answer;
\boldsymbol{void} \; Rectangle :: set\_values \, (\boldsymbol{int} \; x, \, \boldsymbol{int} \; y) \; \{
   // complete this function so the code works
  width = x;
  height = y;
int main () { // Use this driver program
 // Use set_values function to set values
 Rectangle rect1;
 rect1.set_values (5,6);
cout << "area: " << rect1.area() << endl;
// Use set_values function to set values
 Rectangle rect2;
 rect2.set_values (3,4);
 cout << "area: " << rect2.area() << endl;
 cout << "Philip pesic 9/11/22" << endl;\\
  return 0;
```

Philip Pesic

Week 4

September 11 2022

Week 4 Prog 5

```
1
                                                      ▶ Week 4 Prog 5 
■ Week 4 Prog 5 > ■ My Mac
                                                                                                                                                           Finished running Week 4 Prog 5 : Week 4 Prog 5
                                                                                                                                                                                                                                                                                                                                      i i
■ 🗵 🔐 Q 🛕 ♦ 🚳 🗅 🗐 🔡 🤇 > C* main 🕒 Build target Week 4 Prog 5 - Log
                                                                                                                                                                                                                                                              ⇒ =0 | F
                                                                                                                                                                                                                                                                                                      <u>•</u> • •
                                                               Week 4 Prog 5 >  Week 4 Prog 5 > C* main > No Selection
                                                                                                                                                                                                                                                                                   Identity and Type
 ∨ Meek 4 Prog 5
                                                                         #include <iostream>
using namespace std;
    ∨ 🚞 Week 4 Prog 5
  C⁺ main
                                                                                                                                                                                                                                                                                               Type Default - C++ Sour
                                                                        class Rectangle {
   int width, height;
   public:
   void set_values (int,int);
   int area() {
      int answer = width * height;
      // complete this function so the code works
      return answer;
}
                                                                                                                                                                                                                                                                                          main.cpp
Full Path /Users/pippo/Desktop/Week
4 Prog 5/Week 4 Prog 5/
main.cpp
                                                                  int area() {
    int area() {
    int answer = width * height;
    // complete this function so the code work
    return answer;
}

void Rectangle::set_values (int x, int y) {
    // complete this function so the code works
    width = x;
    height = y;
}

                                                                                                                                                                                                                                                                                   On Demand Resource Tags
                                                                                                                                                                                                                                                                                    Target Membership

✓ Week 4 Prog 5

                                                                                                                                                                                                                                                                                    Text Settings
                                                                   28
29 int main () { // Use this driver program
30
                                                                                                                                                                                                                                                                                      Text Encoding No Explicit Encoding
                                                                        // Use set_values function to set values
Rectangle rect1;
rect1.set_values (5,6);
cout << "area: " < rect1.area() << end1;
// Use set_values function to set values
Rectangle rect2;
rect2.set_values (3,4);
cout << "area: " << rect2.area() << end1;
cout << "briling pesic 9/11/22" << end1;
return 0;
                                                                                                                                                                                                                                                                                      Line Endings No Explicit Line Endings
                                                                                                                                                                                                                                                                                      Indent Using Spaces

Widths 4 0
Tab Indent

✓ Wrap lines
                                                                                                                                                                                                                                                     Line: 42 Col: 1 | 🖃
                                                                                                                                    area: 30
area: 12
Philip pesic 9/11/22
Program ended with exit code: 0
                                                                                                                                                                                                                      ♥ Filter
                                                   ② ⊕ Auto ≎ | ③ ③ ⑤ Filter All Output ≎
```

I learned: How to debug and finish unfinished classes