

Philip Pesic

Week 4

September 11 2022

Week 4 Prog 7

```
#include <iostream>
using namespace std;
class circle {
  int radius;
  int getRadius(void) {return radius;}
     void setRadius(int inRadius) {radius = inRadius;}
  int \ calc Circumference() \ \{
     int circumference = radius * 3.14159;
     return circumference;
  int calcArea() {
     int area = 3.14159 * (radius^2);
     return area;
  int calcDiameter() {
     int diameter = radius * 2;
     return diameter;
};
int main() {
  circle c1;
  c1.setRadius(5);
  cout << "Radius = " << c1.getRadius() << endl;
  cout << "Circumference = " << c1.calcCircumference() << endl;</pre>
  cout << "Area = " << c1.calcArea() << endl;
  cout << "Diameter = " << c1.calcDiameter() << endl;</pre>
  cout << "Radius = " << c2.getRadius() << endl;
  cout << "Circumference = " << c2.calcCircumference() << endl;</pre>
  cout << "Area = " << c2.calcArea() << endl;
  cout << "Diameter = " << c2.calcDiameter() << endl;</pre>
  cout << "Philip Pesic 9/11/22" << endl;
  return 0;
```

Philip Pesic

Week 4

September 11 2022

Week 4 Prog 7

```
Build Failed | Today at 4:20 PM
                                                                                                                                                                          Identity and Type
                                 Week 4 Prog 7 > 	■ Week 4 Prog 7 > C<sup>+</sup> main > No Selection
 ∨ 

Week 4 Prog 7
  ∨ 🚞 Week 4 Prog 7
                                 C* main
                                                                                                                                                     Type Default - C++ Source
                                                                                                                                                   main.cpp
Full Path /Users/pippo/Desktop/Week
4 Prog 7/Week 4 Prog 7/
main.cpp
                                                                                                                                                On Demand Resource Tags
                                                                                                                                                Target Membership
                                                                                                                                                Text Settings
                                                                                                                                                Text Encoding No Explicit Encoding
                                                                                                                                                 Line Endings No Explicit Line Endings
                                                                                                                                                 Indent Using Spaces

Widths 4 0
Tab Indent

✓ Wrap lines
                                                                                                                               Line: 51 Col: 1
                                                                     Radius = 5
Circumference = 15
Ares = 21
Diameter = 10
Radius = 1
Circumference = 3
Ares = 9
Diameter = 2
Philip Pesic 0/11/22
Program ended with exit code: 0
                                                                                                                ♥ Filter
+ 🐨 Filter 🕘 😥 Auto 🗈 🕦 Filter All Output 🗈
```

I learned: How to write complicated classes from one property