Philip Pesic

Week 8

October 9 2022

Week 8 Prog 2

Look in the lecture on Pointers

Write the code and Run the code found in section "Pointers and Classes" for ‘myClass’.

Explain how the pointers work.. by writing COMMENTs in the program

```
//
//  main.cpp
//  Week 8 Prog 2
//
//  Created by Pippo Pesic on 10/5/22.
//

#include <iostream>
using namespace std;

// Step 1 - Define a class
class myClass {
private:
 int x;
public:
```

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```
 myClass() {x = 0;}
 myClass(int inX) {x = inX;}
 int getX() {return x;}
        void setX(int inX) {x = inX;}
};


int main()
{
 // Step 2 – Regular Declared instance of a class
 myClass C1;


 //Step 3 – Use the class – call with Dot Notation the public functions
 C1.setX(42);
 cout << C1.getX( ) << endl;


        myClass * ptrMyClass2; //Defines Pointer Object
        ptrMyClass2 = NULL; //Assigns NULL


        myClass C2(123); //Defines C2 Object


        ptrMyClass2 = &C2; //Assigns address of C2 to Object
```

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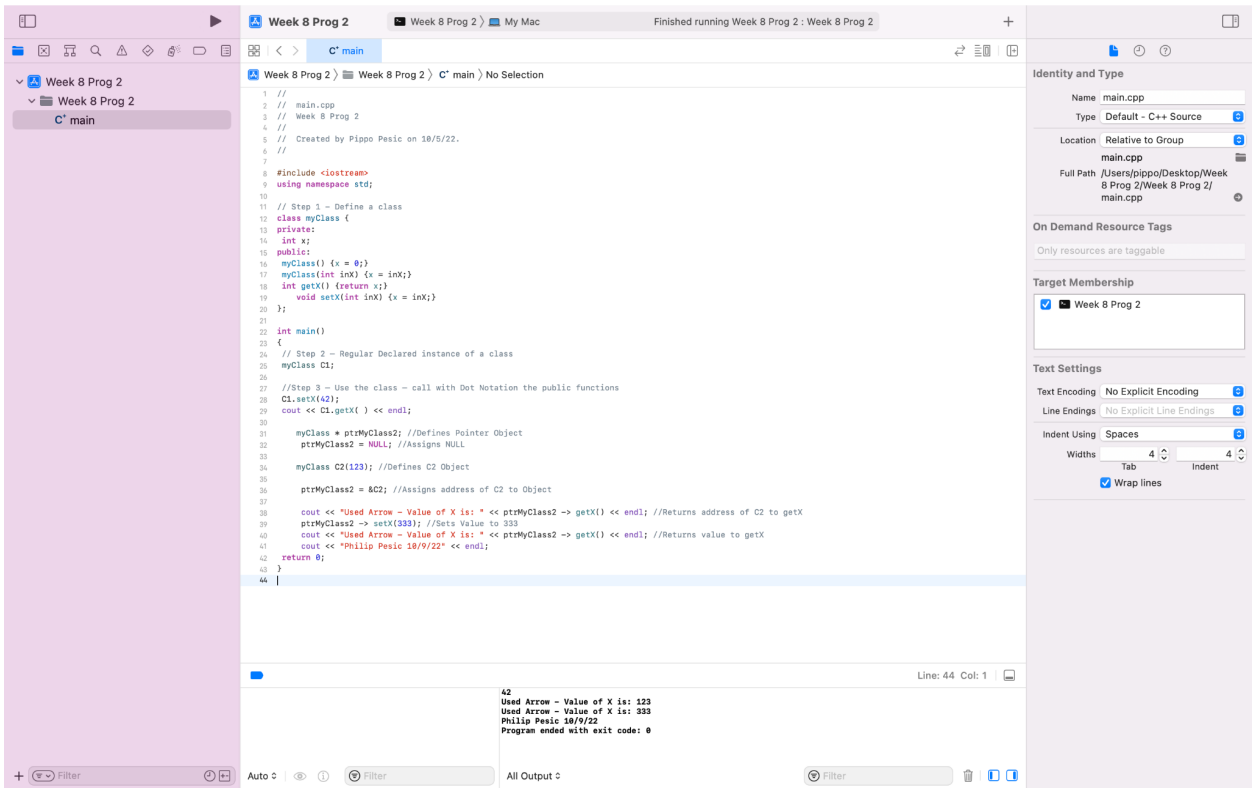
```
        cout << "Used Arrow - Value of X is: " << ptrMyClass2 -> getX() << endl; //Returns address of C2 to getX
        ptrMyClass2 -> setX(333); //Sets Value to 333
        cout << "Used Arrow - Value of X is: " << ptrMyClass2 -> getX() << endl; //Returns value to getX
        cout << "Philip Pesic 10/9/22" << endl;
 return 0;
}
```



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I learned: how to write pointers for classes