

Philip Pesic

Week 10

October 23 2022

Week 10 Prog 3

MyArrayPtrArithMain.cpp // contains int main() function and its code

MyArrayPtrArithTemp.cpp // contains class template code

and run.

//

// main.cpp

// Week 10 Prog 3

//

// Created by Pippo Pesic on 10/19/22.

//

#include <iostream>

#include "MyArrayClass.h"

using namespace std;

int main() {

    MyArrayClass <int>array1;

    array1.setSize(7);

    array1.setAllValues(); //Input 10,15,20,25,30,35,42

    array1.printAll();

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```
MyArrayClass <float>array2(7);

array2.setAllValues(); //Input 10,15,20,25,30,35,42

array2.printAll();


MyArrayClass<double> * ptrArray1 = new MyArrayClass<double>();

ptrArray1->setSize(7);

ptrArray1->setAllValues(); //Input 100,150,200,250,300,350,420

ptrArray1->printAll();


cout << "Philip Pesic 10/23/22" << endl;

return 0;

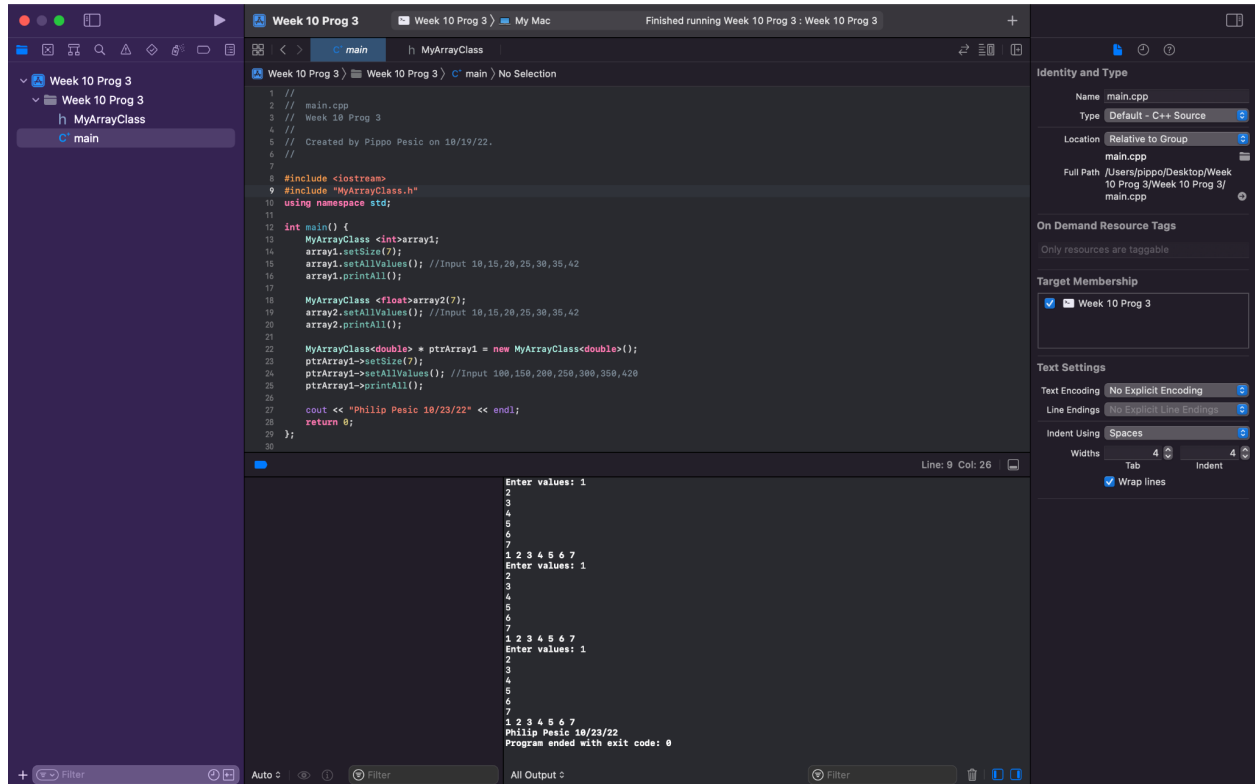
};
```

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```
1 //  
2 // main.cpp  
3 // Week 10 Prog 3  
4 //  
5 // Created by Pippo Pesic on 10/19/22.  
6 //  
7  
8 #include <iostream>  
9 #include "MyArrayClass.h"  
10 using namespace std;  
11  
12 int main() {  
13     MyArrayClass<int> array1;  
14     array1.setSize(7);  
15     array1.setAllValues(); //Input 10,15,20,25,30,35,42  
16     array1.printAll();  
17  
18     MyArrayClass<float> array2(7);  
19     array2.setAllValues(); //Input 10,15,20,25,30,35,42  
20     array2.printAll();  
21  
22     MyArrayClass<double> * ptrArray1 = new MyArrayClass<double>();  
23     ptrArray1->setSize(7);  
24     ptrArray1->setAllValues(); //Input 100,150,200,250,300,350,420  
25     ptrArray1->printAll();  
26  
27     cout << "Philip Pesic 10/23/22" << endl;  
28     return 0;  
29 }  
30
```

Enter values: 1  
2  
3  
4  
5  
6  
7  
1 2 3 4 5 6 7  
Enter values: 1  
2  
3  
4  
5  
6  
7  
1 2 3 4 5 6 7  
Enter values: 1  
2  
3  
4  
5  
6  
7  
1 2 3 4 5 6 7  
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Program ended with exit code: 0

I learned how to turn template classes into headers