Philip Pesic

Week 12

November 6 2022

Week 12 Prog 3

Inheritance - watch and **write the programs** found in the videos.

Turn in code, output, uml diagram and also, write a summary of what you learned in the videos

```cpp
//
//  main.cpp
//  Week 12 Prog 3
//
//  Created by Pippo Pesic on 11/3/22.
//

#include <iostream>
#include "Daughter.hpp"
#include "Mother.hpp"
using namespace std;

int main() {
    Daughter tina;
    tina.sayName();
    cout << "Philip Pesic 11/6/22" << endl;
    return 0;
```

Philip Pesic

Week 12

November 6 2022

Week 12 Prog 3

}

//

// Mother.cpp

// Week 12 Prog 3

//

// Created by Pippo Pesic on 11/3/22.

//


```cpp
#include "Mother.hpp"

#include "Daughter.hpp"

#include <iostream>

using namespace std;


Mother::Mother() {}


void Mother::sayName() {

        cout << "I am RobnertsQ" << endl;

}


//
```

Philip Pesic

Week 12

November 6 2022

Week 12 Prog 3

// Mother.hpp

// Week 12 Prog 3

//

// Created by Pippo Pesic on 11/3/22.

//


```cpp
#ifndef Mother_hpp
#define Mother_hpp


class Mother {
public:
        Mother();
        void sayName();
};


#endif /* Mother_hpp */


//
// Daughter.cpp
// Week 12 Prog 3
//
```

Philip Pesic

Week 12

November 6 2022

Week 12 Prog 3

```cpp
//  Created by Pippo Pesic on 11/3/22.
//


#include "Daughter.hpp"
#include "Mother.hpp"


Daughter::Daughter() {
}


//
//  Daughter.hpp
//  Week 12 Prog 3
//
//  Created by Pippo Pesic on 11/3/22.
//


#ifndef Daughter_hpp
#define Daughter_hpp


#include "Mother.hpp"
```

Philip Pesic

Week 12

November 6 2022

Week 12 Prog 3

```
class Daughter: public Mother {

public:

        Daughter();

};


#endif /* Daughter_hpp */
```
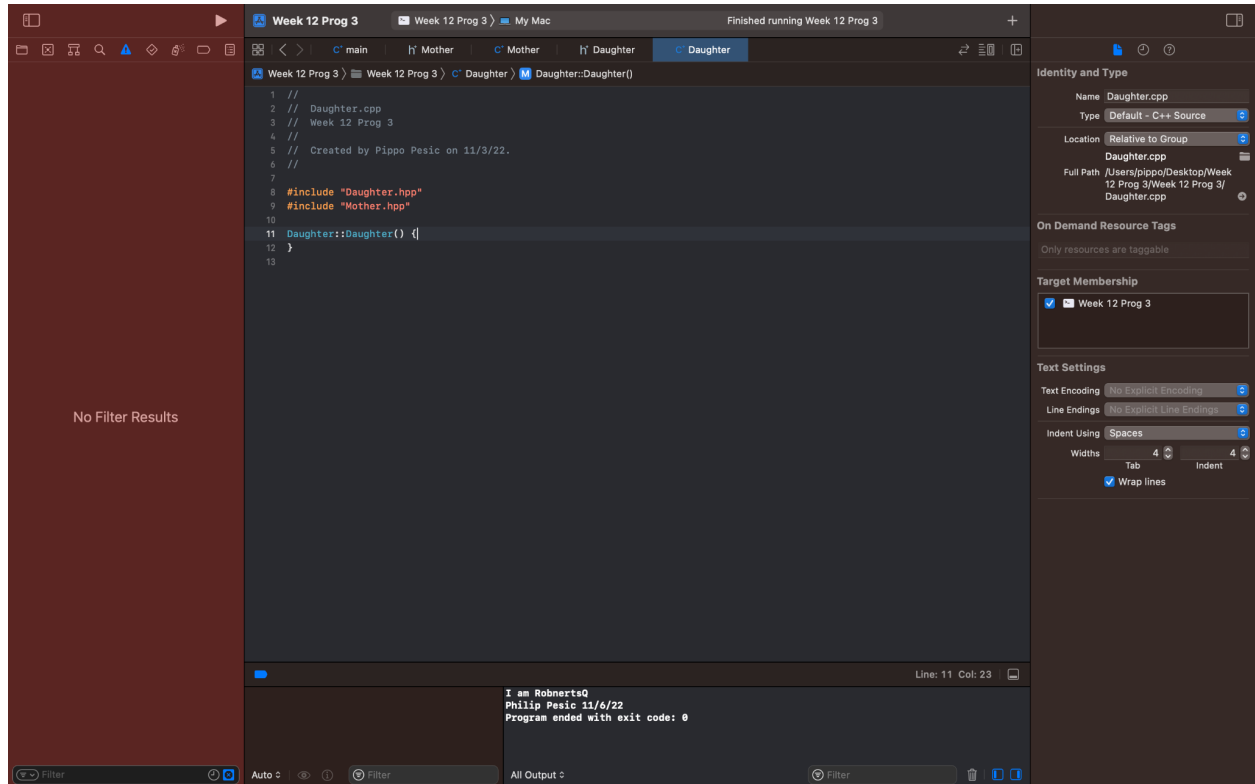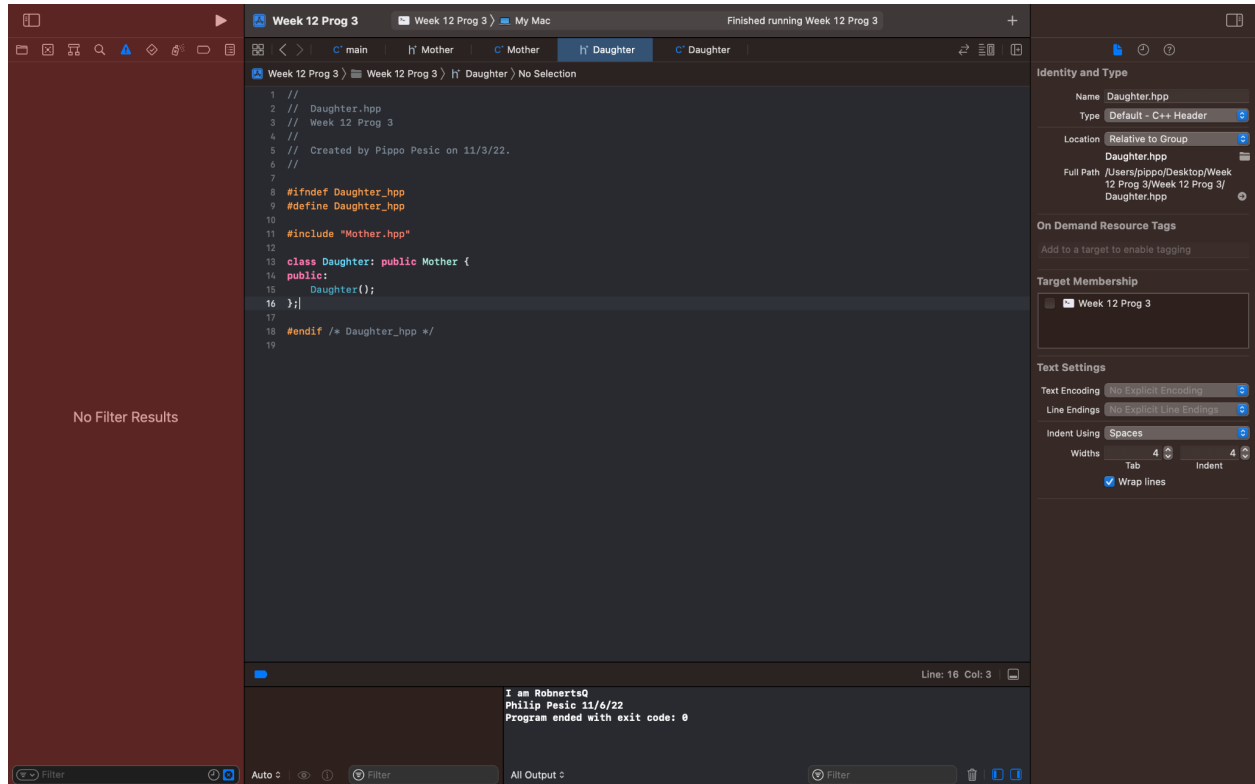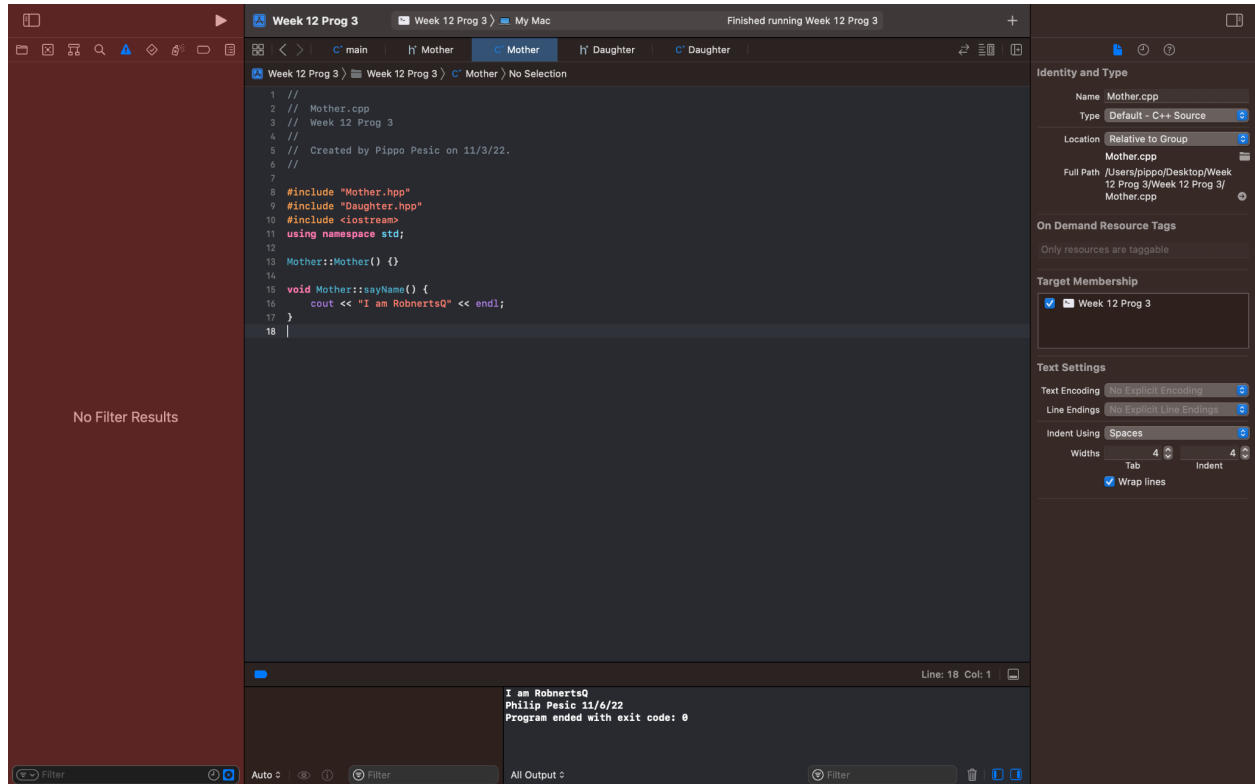
Philip Pesic

Week 12

November 6 2022

Week 12 Prog 3

Philip Pesic

Week 12

November 6 2022

Week 12 Prog 3

Philip Pesic

Week 12
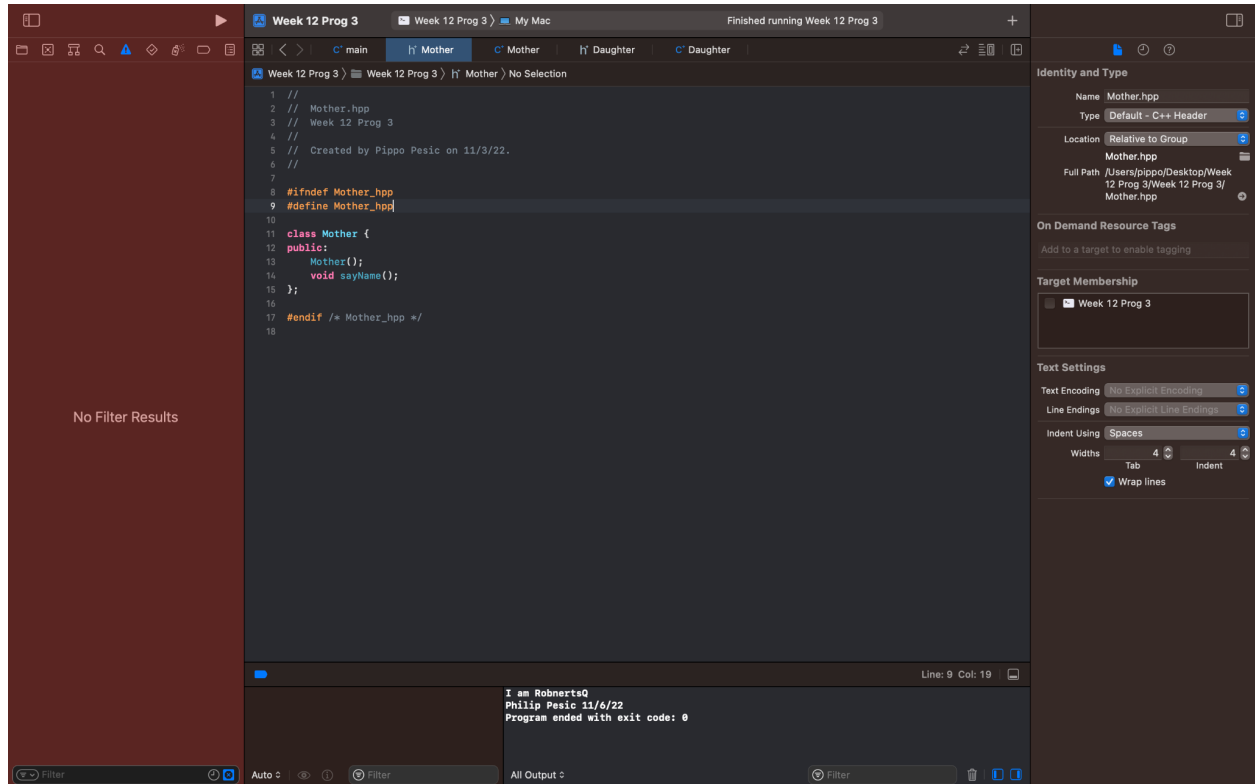
November 6 2022

Week 12 Prog 3

Philip Pesic

Week 12

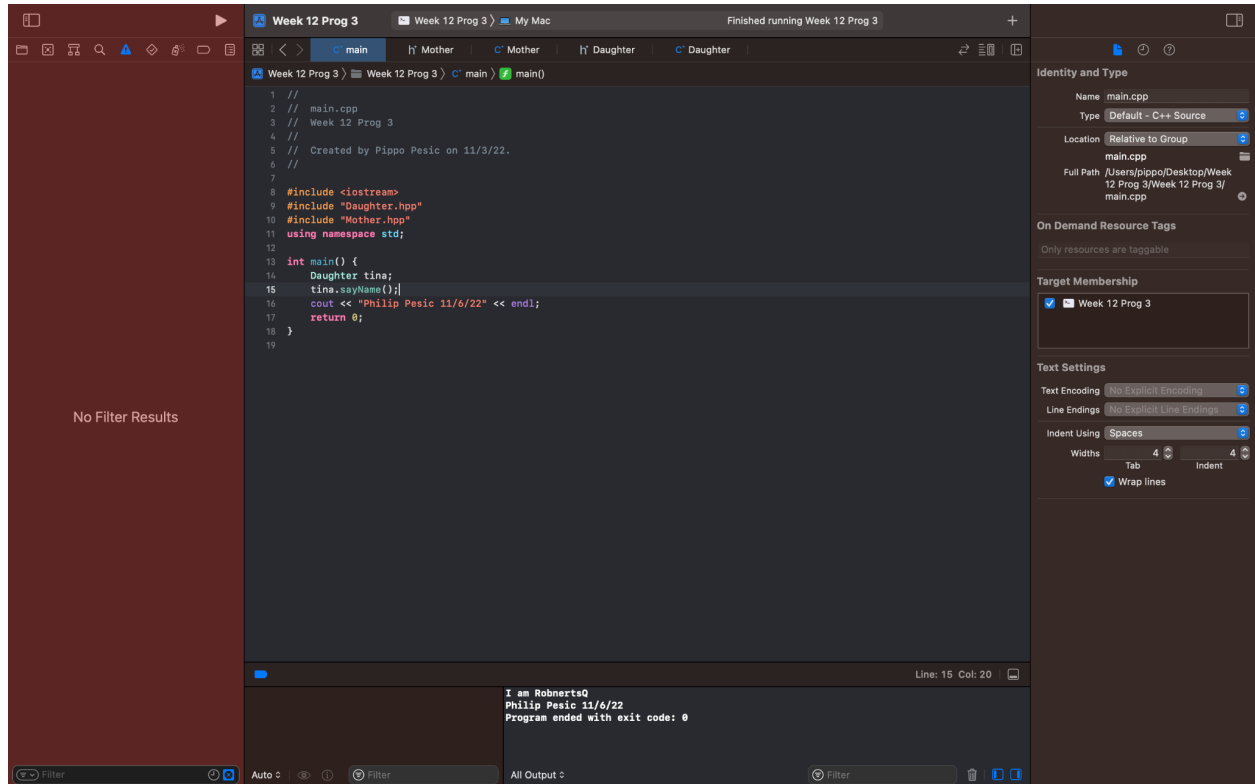November 6 2022

Week 12 Prog 3

Philip Pesic

Week 12

November 6 2022

Week 12 Prog 3

I learned: how to inherit from multiple classes at once