Philip Pesic

Week 8

October 9 2022

Week 8 Prog 3

Create a class Person

Include three(4) variables: firstName, lastName, YearOfBirth, nickName

Write default and parameterized constructors

Write getters and setters for each variable.

Declare 2 instances of the person class P1 and P2, one for both default and parm constructors

Declare ptrPerson1 and ptrPerson2.

Assign ptrPerson1 address of P1

Assign ptrPerson2 address of P2

Call all the getters and setters using the ARROW notation to test the class.


```
//
//  main.cpp
//  Week 8 Prog 3
//
//  Created by Pippo Pesic on 10/5/22.
//
```

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```cpp
#include <iostream>
#include <string>
using namespace std;

class person {

        string firstName;

        string lastName;

        int yearOfBirth;

        string nickname;

        int x;

public:

        person() {x = 0;}

        person(int inX) {x = inX;}

        void setFirstName(string inFirstName) {

        firstName = inFirstName;

        }

        string getFirstName() {

        return firstName;


        }
```

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```
void setLastName(string inLastName) {

lastName = inLastName;

}

string getLastName() {

return lastName;



}

void setYearOfBirth(int inYearOfBirth) {

yearOfBirth = inYearOfBirth;

}

int getYearOfBirth() {

return yearOfBirth;



}

void setNickname(string inNickname) {

nickname = inNickname;

}

string getNickname() {

return nickname;



}
```

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```cpp
};


int main() {

        person P1,P2;

        person* ptrP1 = &P1;

        person* ptrP2 = &P2;

        ptrP1 -> setFirstName("Philip");

        ptrP2 -> setLastName("Pesic");

        cout << "First Name: " << ptrP1 -> getFirstName() << endl;

        cout << "Last Name: " << ptrP2 -> getLastName() << endl;

        cout << "Philip Pesic 10/9/22" << endl;

        return 0;

}
```
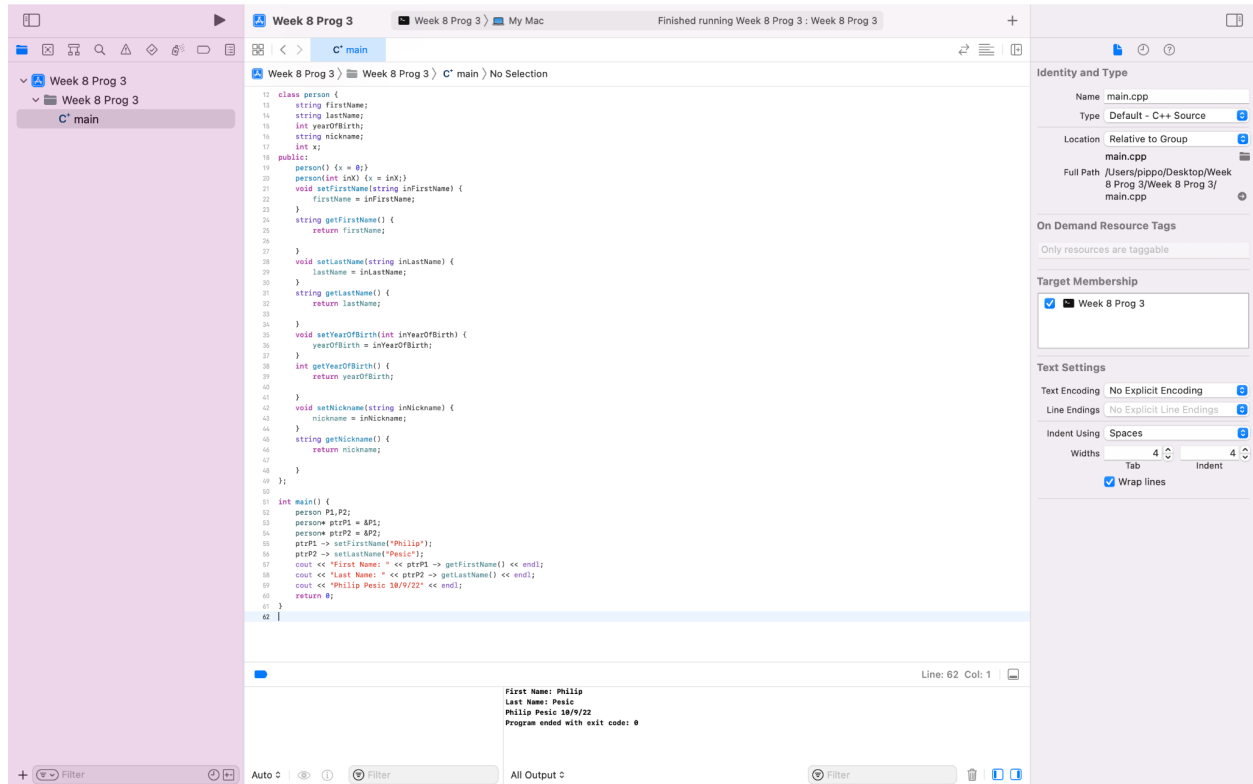
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I learned: how to use arrow notation

person
-firstName: string -lastName: string -yearOfBirth: int -nickname: string
+getfirstname() string +setfirstname(infirstname: string) void +getlastname() int +setlastname(inlastname: string) void +getyearofbirth() int +setyearofbirth(inyearofbirth: int) void +getnickname() string

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+setnickname(innickname: string) void