```
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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#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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};
int main() {
       person P1,P2;
       person* ptrP1 = &P1;
       person* ptrP2 = &P2;
       ptrP1 -> setFirstName("Philip");
       ptrP2 -> setLastName("Pesic");
       cout << "First Name: " << ptrP1 -> getFirstName() << endl;</pre>
       cout << "Last Name: " << ptrP2 -> getLastName() << endl;</pre>
       cout << "Philip Pesic 10/9/22" << endl;
       return 0;
}
```

## Philip Pesic

## Week 8

## October 9 2022

## Week 8 Prog 3

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 C⁺ main
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Full Path /Users/pippo/Desktop/Week
8 Prog 3/Week 8 Prog 3/
main.cpp
                                                 }
string getFirstName() {
    return firstName;
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                                                 }
string getLastName() {
   return lastName;
                                                                                                                                                                                    int getYearOfBirth() {
    return yearOfBirth;
                                                                                                                                                                                   Text Settings
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                                                 void setNickname(string inNickname) {
    nickname = inNickname;
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Widths 4 0 Indent
                                                 }
string getNickname() {
    return nickname;
                                                                                      First Name: Philip
Last Name: Pesic
Philip Pesic 10/9/22
Program ended with exit code: 0
                                                                                                                                           ♥ Filter
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```

I learned: how to use arrow notation

```
-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