

Philip Pesic

Week 7

October 2 2022

Week 7 Prog 3

Create a date class and Person Class. Compose the date class in the person class.

```
//
```

```
// main.cpp
```

```
// Week 7 Prog 3
```

```
//
```

```
// Created by Pippo Pesic on 10/2/22.
```

```
//
```

```
#include <iostream>
```

```
#include <string>
```

```
using namespace std;
```

```
class date {
```

```
    int month = 1;
```

```
    int day = 1;
```

```
    int year = 1900;
```

```
public:
```

```
    void setMonth(int inMonth) {
```

```
        month = inMonth;
```

```
    }
```

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```
    int getMonth() {  
        return month;  
    }  
  
    void setDay(int inDay) {  
        day = inDay;  
    }  
  
    int getDay() {  
        return day;  
    }  
  
    void setYear(int inYear) {  
        year = inYear;  
    }  
  
    int getYear() {  
        return year;  
    }  
};
```

```
class person {  
    string firstName;  
    string lastName;  
    date dob;
```

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public:

```
    date date1;
```

```
    date date2;
```

```
    void setFirstName(string inFirst) {
```

```
        firstName = inFirst;
```

```
    }
```

```
    string getFirstName() {
```

```
        return firstName;
```

```
    }
```

```
    void setLastName(string inLast) {
```

```
        lastName = inLast;
```

```
    }
```

```
    string getLastName() {
```

```
        return lastName;
```

```
    }
```

```
};
```

```
int main() {
```

```
    person person1;
```

```
    person person2;
```

```
    cout << "Person 1 First Name - " << person1.getFirstName() << endl;
```

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```
    cout << "Person 1 Last Name - " << person1.getLastName() << endl;

    cout << "Person 1 Month of Birth - " << person1.date1.getMonth() << endl;

    cout << "Person 1 Day of Birth - " << person1.date1.getDay() << endl;

    cout << "Person 1 Year of Birth - " << person1.date1.getYear() << endl;

    person2.setFirstName("Mc");

    person2.setLastName("Lovin");

    person2.date2.setMonth(6);

    person2.date2.setDay(3);

    person2.date2.setYear(1981);

    cout << "Person 2 First Name - " << person2.getFirstName() << endl;

    cout << "Person 2 Last Name - " << person2.getLastName() << endl;

    cout << "Person 2 Month of Birth - " << person2.date2.getMonth() << endl;

    cout << "Person 2 Day of Birth - " << person2.date2.getDay() << endl;

    cout << "Person 2 Year of Birth - " << person2.date2.getYear() << endl;


    cout << "Philip Pesic 10/2/22" << endl;

    return 0;

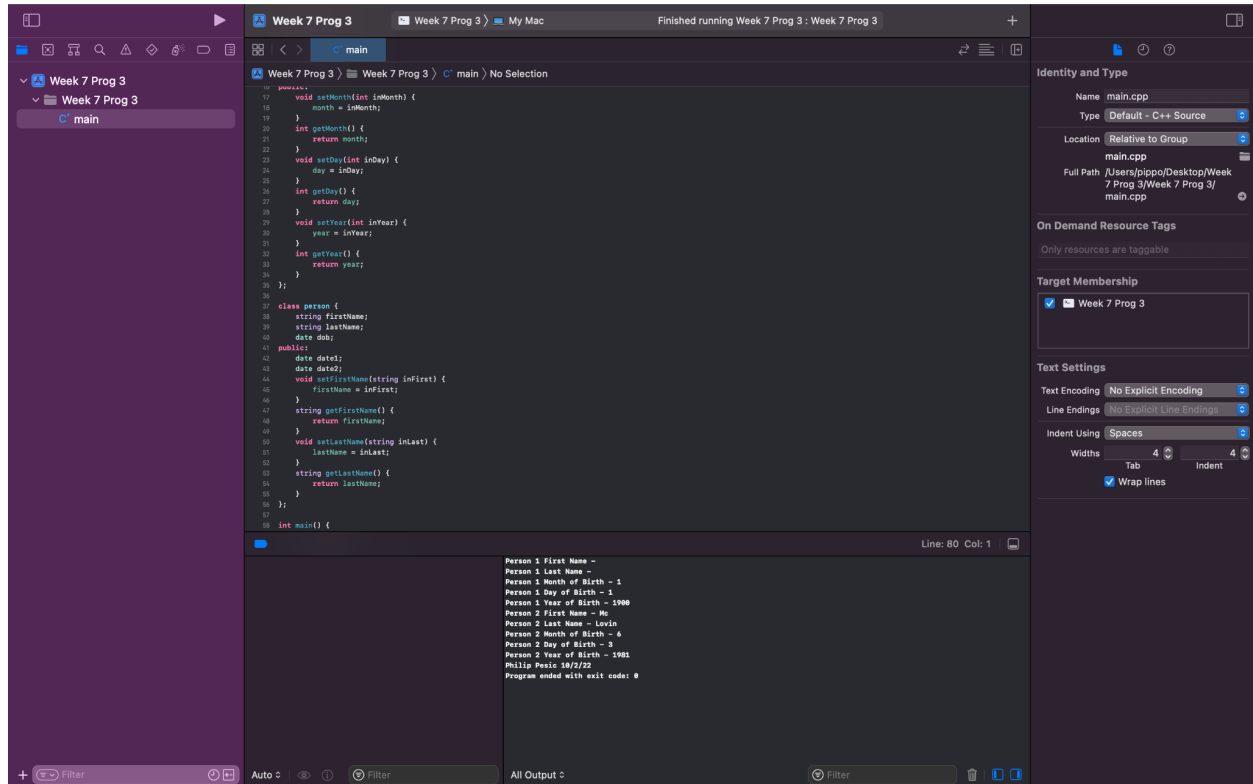
}
```

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I learned: how to write my own compositions

date
-day: int -month: int -year: int
+getMonth() int +setMonth(inMonth: int) void +getDay() int +setDay(inDay: int) void +getYear() int +setYear(inYear: int) void

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person
-firstName: string -lastName: string
+getFirstName() string +setFirstName(inFirst: string) void +getLastName() string +setLastName(inLast: string) void