

How to create a class in code blocks:

<https://www.dummies.com/article/technology/programming-web-design/cplusplus/how-to-create-a-new-codeblocks-project-that-includes-a-header-150988>

```
#include <iostream>
```

```
#include <string>
```

```
#include "Person.h"
```

```
#include "PersonImp.cpp"
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    Person P1;
```

```
    string n1;
```

```
    n1=P1.getFirstName();
```

```
    cout << n1 << endl;
```

```
        P1.print();
```

```
    return 0;
```

```
}
```

```
#ifndef PERSON_H_INCLUDED
```

```
#define PERSON_H_INCLUDED
```

```
#include <string>
```

```
using namespace std;
```

```
class Person {
```

```
public:
```

```
    // Default constructor
```

```
    Person();
```

```
    // Specific constructor
```

```
    Person(string fn, string mn, string ln);
```

```
    // Mutators or setters
```

```
    void setFirstName(string fn);
```

```
    void setMiddleName(string mn);
```

```
    void setLastName(string ln);
```

```
    void setFullName(string fn, string mn, string ln);
```

```
    // Accessors or getters
```

```
    string getFirstName();
```

```
    string getMiddleName();
```

```
    string getLastName();
```

```
    void print() const;
```

```
private:
```

```
    string firstName;
```

```
    string lastName;
```

```
    string middleName;
```

```
};
```

```
#endif // PERSON_H_INCLUDED
```

```
#include <iostream>
```

```
#include <string>
```

```
#include "Person.h"
```

```
using namespace std;
```

```
//Default constructor
```

```
Person::Person()
```

```
{
```

```
    firstName = "John";
```

```
    middleName ="Jill";
```

```
    lastName = "James";
```

```
}
```

```
Person::Person(string fn, string mn, string ln) {
```

```
    firstName = fn;
```

```
    middleName = mn;
```

```
    lastName = ln;
```

```
}
```

```
void Person::setFirstName(string fn) {  
    firstName = fn;  
}
```

```
void Person::setMiddleName(string mn) {  
    middleName = mn;  
}
```

```
void Person::setLastName(string ln) {  
    lastName = ln;  
}
```

```
void Person::setFullName(string fn, string mn, string ln) {  
    firstName = fn;  
    middleName = mn;  
    lastName = ln;  
}
```

```
string Person::getFirstName() {  
    return firstName;  
}
```

```
string Person::getMiddleName() {  
    return middleName;  
}
```

```
string Person::getLastName() {  
    return lastName;  
}
```

```
void Person::print() const {  
    cout << "Name is " << firstName << " " <<  
        middleName << " " << lastName << endl;  
}
```

<https://dev.to/acharluk/developing-c-with-visual-studio-code-4pb9>

<https://www.geeksforgeeks.org/vs-code-compile-and-run-in-c/>