

Philip Pesic

Week 14

November 20 2022

Week 14 Prog 1C

## Abstract Classes and Pure virtual Functions -Tutorial 57 -

```
//
```

```
// main.cpp
```

```
// Week 14 Prog 1C
```

```
//
```

```
// Created by Pippo Pesic on 11/17/22.
```

```
//
```

```
#include <iostream>
```

```
using namespace std;
```

```
class Enemy {
```

```
public:
```

```
    virtual void attack() = 0;
```

```
};
```

```
class Ninja : public Enemy {
```

```
public:
```

```
    void attack() {
```

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```
        cout << "I am a Ninja, Ninja Chop!" << endl;

    }

};
```

```
class Monster : public Enemy {

public:

    void attack() {

        cout << "Monster must eat you!" << endl;

    }

};
```

```
int main() {

    Ninja n;

    Monster m;

    Enemy *enemy1 = &n;

    Enemy *enemy2 = &m;

    enemy1->attack();

    enemy2->attack();

    cout << "Philip Pesic 11/20/22" << endl;

    return 0;

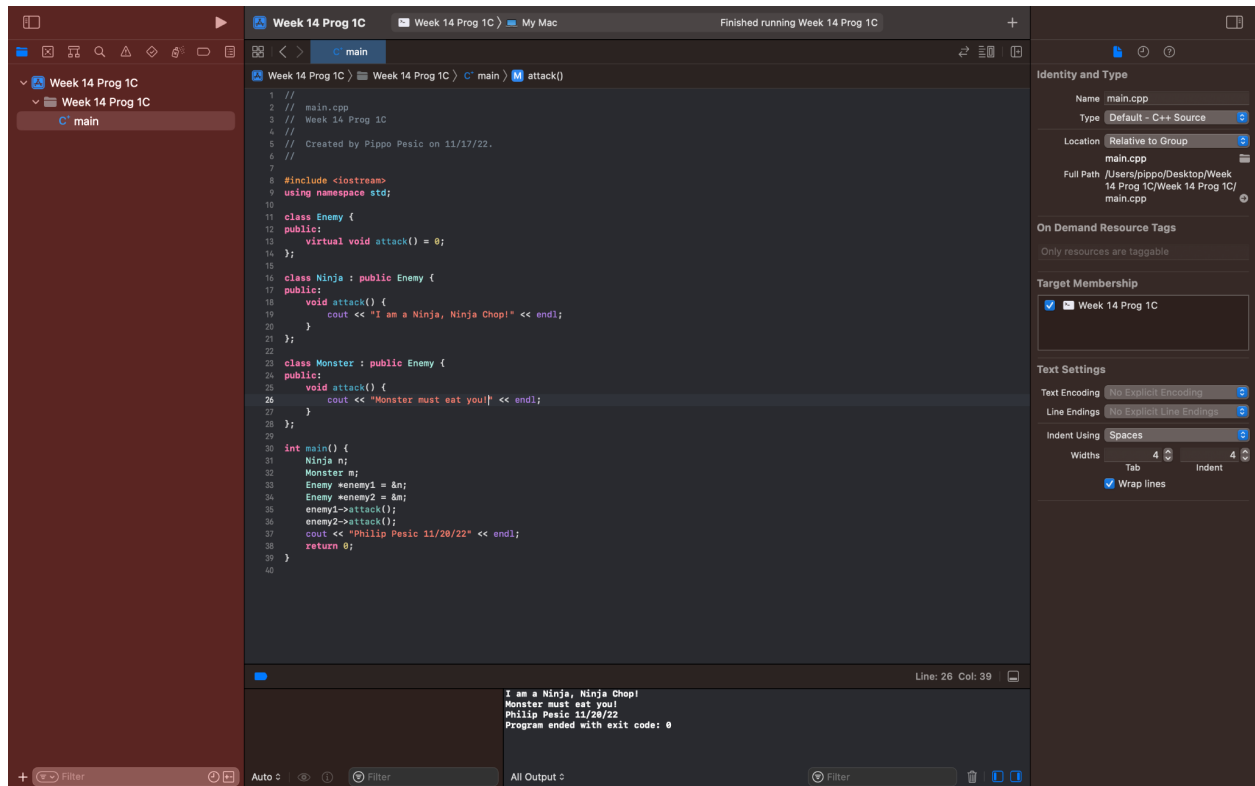
}
```

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I learned: how to point to polymorphic functions in classes