

Week 10

Announcements

- Final! Tomorrow!
 - 6:30 PM PST
- Today is mostly review

Questions?

- any?
- topics you guys want to review?
- worksheet vs practice finals? both?

Default Constructor

```
// if you don't write a constructor, C++ will provide you one
// if you write a constructor, C++ won't provide you one

class Imposter {
    Imposter();
    Imposter(string color);
    ...
}

// make an array of Imposters
Imposter a[100];
Imposter* a[100];
```

Overloading Functions (and Constructors)

```
// different constructors for the same class
// signatures shouldn't match aka different parameters
```

```
class Imposter {  
    Imposter();  
    Imposter(string color);  
    Imposter(string color, string userName);  
    ...  
}
```

```
void f (int i, double d);  
void f (double d, int i);  
void f (int i1, int i2);
```

```
f(4, 2.7) // matches the best  
f(5, 6)   // ambiguous  
           // error, both choices are equal
```