

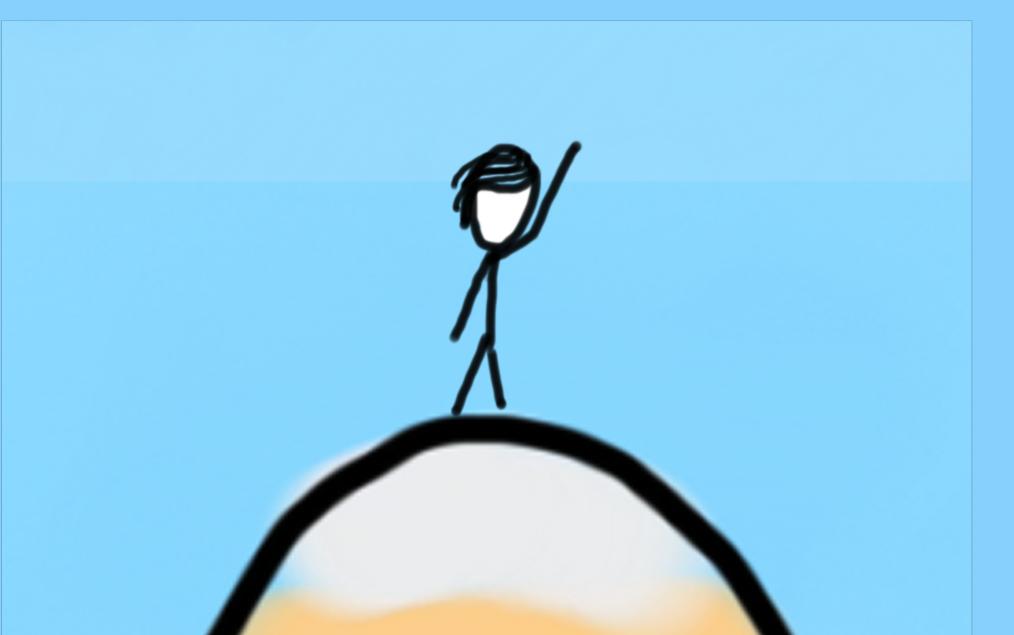
Practical Classes

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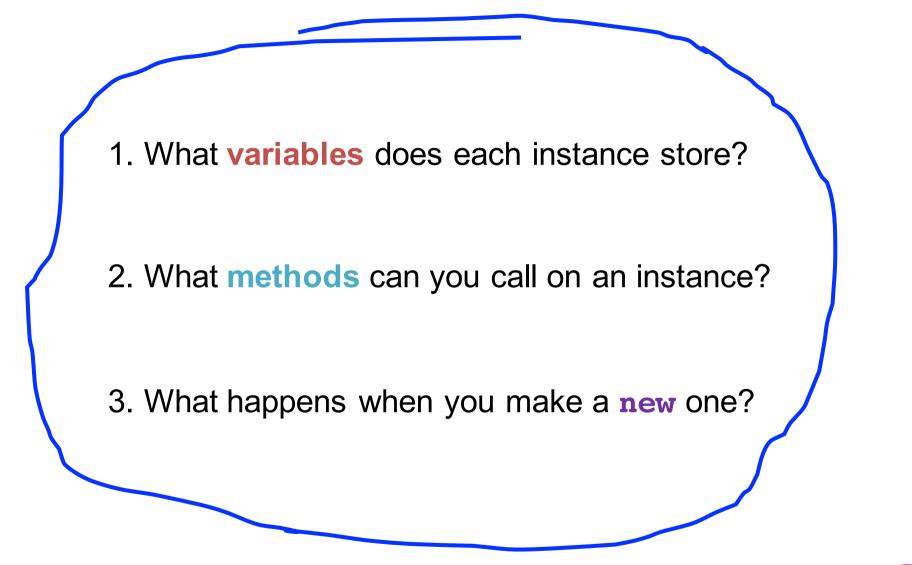
Learning Goals

1. Be able to create a variable type from scratch



A class defines a new variable type

You must define three things

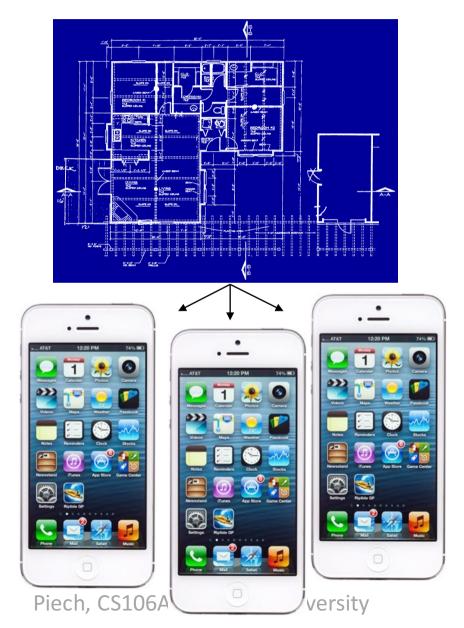




*details on how to define these things coming soon

Classes are like blueprints

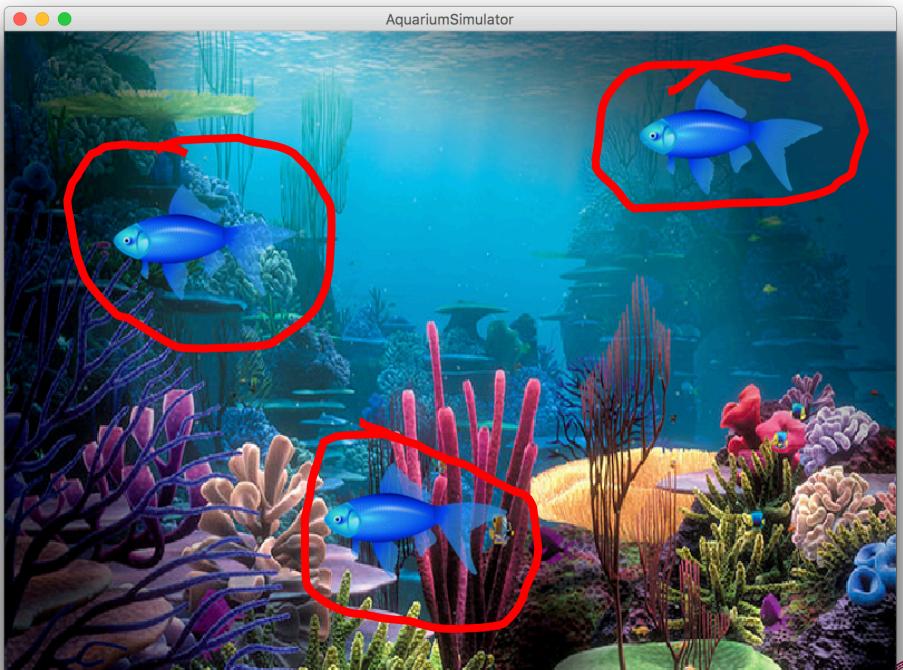
class: A template for a new type of variable.





What does a class do?

A class defines a new variable type





extends

Make a class inherit all the instance variables and methods of another class



```
public class Simulator extends GraphicsProgram {
    // class definition
}
```



```
public class NameSurferGraph extends GCanvas {
    // class definition
}
```



implements

I promise that this class will define a few given methods



```
public class NameSurferGraph extends GCanvas,
    implements ComponentListener {
        // class definition
}
```



Also a cheeky way to share constants between classes

implements I promise that this class will define a few given methods



