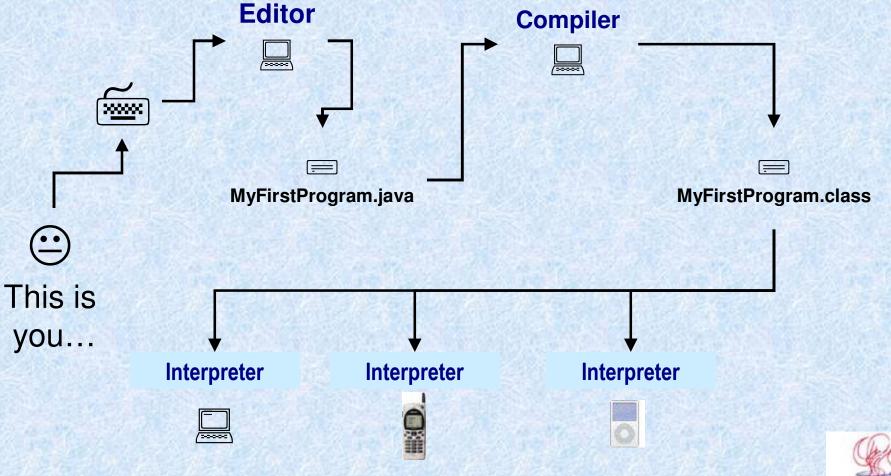
Unit 2

- Structure of a Java Program
 - Documentation
 - Types of Errors
 - Example



Java's Compiler + Interpreter





Structure of a Java Program

For Unit 2, you will be writing the most basic form of Java Programs. They look like this:

Documentation

(called "comments" in Computer Science)

```
// Name:
                        At the top of each file, I would like you
                  have the following documentation
// Last Changed:
// Description: What does this program do.
public class SomeName
      public static void main (String [ ] args)
             statement;
```



Types of Errors

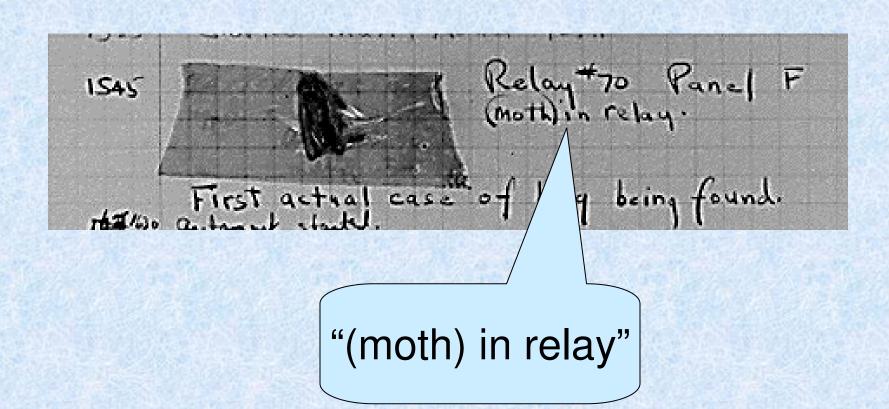
Syntax Error: an error that the compiler gives you. This could be a missing ";" misspelled word, missing (), etc

Logic Error: an error that causes the program to not work correctly. A.K.A. "Software Bugs"

Example: If the program required you to draw an octagon and you drew a hexagon.



The First "Bug"





Output to the console screen in Java (the little black screen)

Two output methods:

```
1) System.out.println(someString);
2) System.out.print(someString);
```

Examples

```
String firstName = "Mike";
String lastName = "Efram";

System.out.println(firstName);
System.out.println(lastName);

System.out.print(firstName);
System.out.print(lastName);
System.out.print(lastName);
```

