

# CS 152 - Lab 001

TA: Kage Weiss

Office Hours: T 3:30-5:00 Cochiti [SUB], or by appointment.

Contact: [mmweiss@unm.edu](mailto:mmweiss@unm.edu)

Website: <http://cs.unm.edu/~kageweiss/TA/cs152.html> -- SLIDES POSTED

- Sign in sheet located at whiteboard by projector.
- Today we are working on Methods (Lab 4)
- **As of Lab 3 I am less lenient with Coding Standards, if you break the same standard every lab, those points add up.**

# Method Practice

- Method setup is provided for you.
  - Don't know what to do? Read the JavaDoc comments.
- Helpful methods: (if `x` is a String)
  - `String y = x.replace("<String1>", "<String2>");`
    - Replaces all instances of String1 in `x` with String2
  - `x.contains("<String>")`
    - Returns true if "<String>" exists in `x`
  - `x.indexOf("<String>")`
    - Returns the index of the first appearance of "<String>"
  - And many more Google > "JavaDoc String"
  - Don't forget your basic operators, + - \* / % and comparison ==

# How I Grade Your Code:

- Chenoweth provides the rubric and occasionally tester code.
- I write tester code that thoroughly tests your code.
- If your code runs as expected with my tester I'm happy.
- I then review your code (.java) to make sure it follows CS152 Code Standards.
  - That means variable and method names, comments, privacy, NO TABS, etc.
- I can tell how much work you put into your code.
- I can tell who didn't cite StackOverflow.
- If you put work in I'm happy to give points and comments!
- If you didn't put work in I will count off for infractions.
- Every point I take off is listed in the comments for the grade. Read them.

```
1  /**
2  * @version date (in CS_XXX_00X format : YYYY-MM-DD)
3  * @author FirstName LastName
4  * File: ClassName.java
5  */
```

} Info Block, tells who/when/what

```
6 public class ClassName {
7     ....
8     private memVarType memberVariable;
9     ....
```

```
10     /**
11     * Getter for specified member variable.
12     * @return this.memberVariable The memberVariable of this instance
13     */
```

} Method is public, so it gets a JavaDoc comment

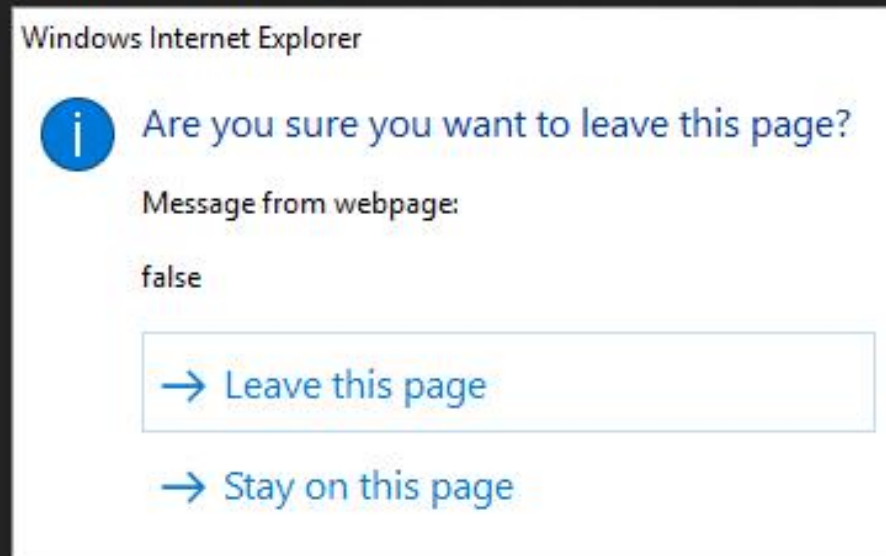
```
14     public memVarType methodName () {
15         return this.memberVariable;
16     }
```

```
17     /**
18     * What does this method do?
19     * @param param1 What is this parameter?
20     * @return What are we returning?
21     */
```

} Method is public, so it gets a JavaDoc comment, this one's a bit longer because it has fields for parameters

```
22     public varType methodName2 (memVarType param1) {
23         if (param1 == this.memberVariable) {
24             for (int i = 0; i <= param1; i++) {
25                 System.out.println(i + ". Our var = " + this.memberVariable)
26             }
27         } else if (param1 > this.memberVariable) {return (param1 + 1);
28         } else {return (this.memberVariable + 3);
29         }
30         return (this.memberVariable + param1);
31     }
```

} Indentations must be spaces, NOT Tabs



**HELPFUL MESSAGE IS HELPFUL**