

CS 152 - Lab 001

TA: Kage Weiss

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

- Sign in sheet located at whiteboard
- Today we are working on Solitaire (Lab 9)

Klondike Solitaire

Library had you start working with multiple files, but now we're making that even larger Rank and Suit for your Deck and then all the parts of Klondike.

- Rank and Suit are enums, so before trying to use them, familiarize yourself with the methods all enums have from the Enum JavaDoc. (specifically, `<EnumName>.values()` is super helpful)
- Keep track of where you're working static (anywhere?) and where you should be working with non-static object instances.
- Please, please, all your public methods **must** have Javadoc comments.
- Don't forget the things we've already learned/used, if we're trying to shuffle (randomize) the deck we already know how to get random numbers `((int)Math.random()*<value range>)`, how we can use that to actually randomize a set of data is up to you.

Member Access Review

“sysou” Ctrl + Space is the Eclipse shortcut for **System.out.println()**;

MainClass.method1(x) will print out:

- A) **x**
x
- B) **x**
x
- C) **x**
x

```
public class MainClass {  
    var x;  
  
    void method1(var x){  
        sysou(x)  
        sysou(this.x)  
    }  
}
```

Member Access Review

“sysou” Ctrl + Space is the Eclipse shortcut for **System.out.println()**;

MainClass.method1(x) will print out:

B) **x**
x

```
public class MainClass {  
    var x;  
  
    void method1(var x){  
        sysou(x)  
        sysou(this.x)  
    }  
}
```

Always refer to the closest version of a variable with the same name (and check privacy).

“x” exists in method1, so that’s the one it looks at.

“this.x” refers to MainClass.x

Member Access Review

“sysou” Ctrl + Space is the Eclipse shortcut for **System.out.println()**;

MainClass.method2(x) will print out:

- A) **x**
x
- B) **x**
x
- C) **x**
x

```
public class MainClass {  
    var x;  
    void method1(var x){  
        sysou(x)  
        sysou(this.x)  
    }  
    void method2(var y){  
        sysou(x)  
        sysou(this.x)  
    }  
}
```

Member Access Review

“sysou” Ctrl + Space is the Eclipse shortcut for **System.out.println()**;

MainClass.method2(x) will print out:

A) **x**
x

Always refer to the closest version
“x” does not exist in method2, so the
closest “x” is in MainClass

```
public class MainClass {  
    var x;  
    void method1(var x){  
        sysou(x)  
        sysou(this.x)  
    }  
    void method2(var y){  
        sysou(x)  
        sysou(this.x)  
    }  
}
```