

CSCI 1300

Intro to Computing

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Lecture 26

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Java Graphics and Objects Part 2

Lecture Goals

- 1. The Automata HW
- 2. Javadoc
- 3. Be Like Hendrix
- 4. More Graphics

Automata HW

Java: 'prev' is a member variable. You will never need to redeclare it.

These are declarations:

```
char[] prev;
char[] prev = new char[some_length];
```

These are just assignments (you will do this):

```
prev = some_other_char_array;
prev = someString.toCharArray();
```

Declare temp array

You can and probably will need to declare a different array—one that isn't the 'prev' member variable. In your cycle method, you'll need a place to store the next round before you reassign it into prev:

```
char[] nextRound = new char[prev.length];
for (i =0; i < prev.length; i++) {
    nextRound[i] = something;
}
prev = nextRound;</pre>
```

Python Caveat

In Python, the 'prev' member is a string, not a character array. This is ok. It works like this:

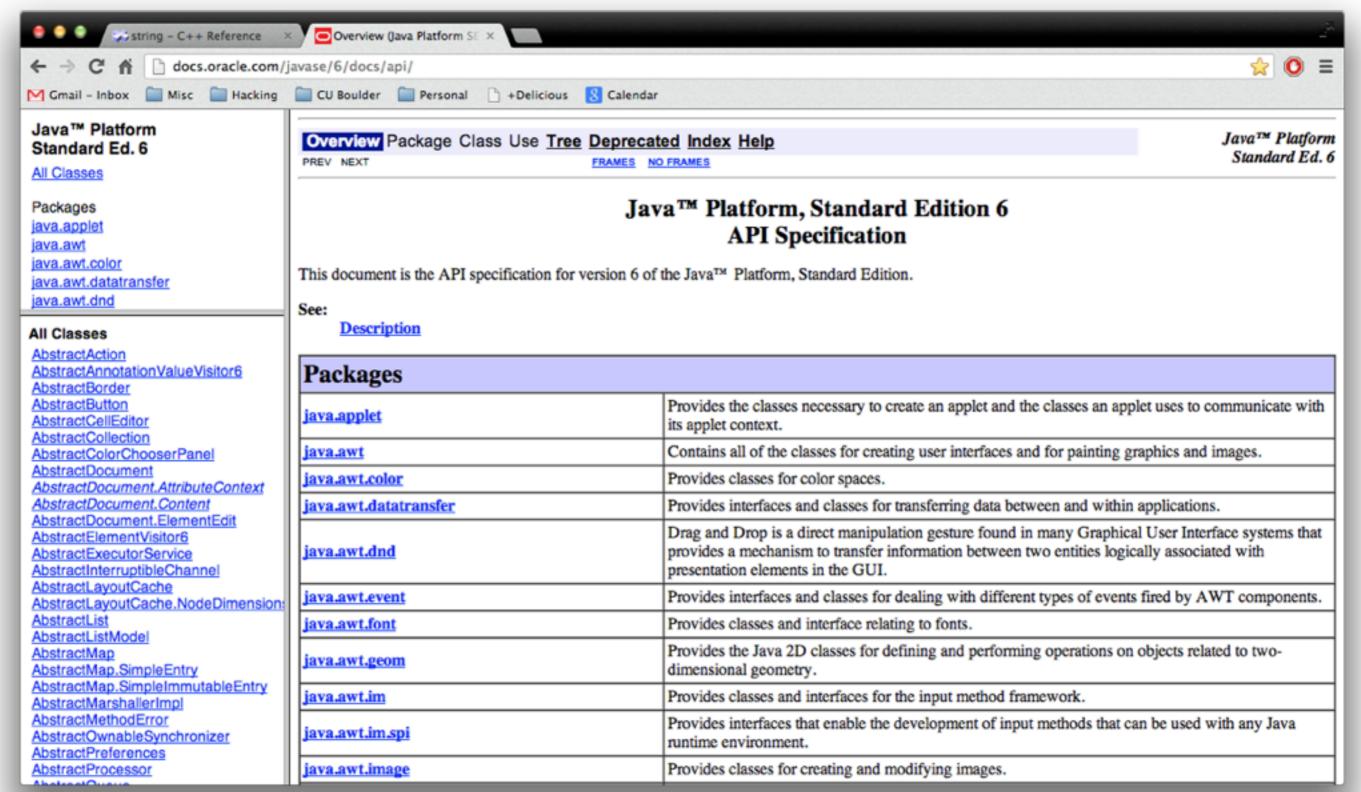
```
def cycle(self):
    next_round = "" # empty string
    for i in range(len(self.prev)):
        # append to end of 'next_round'
        next_round = next_round + something
    self.prev = next_round
```

Javadoc

Any language you are likely to use will have extensive documentation. For Java, this is called **Javadoc**. Just Google search for Javadoc 1.6 (assuming you want version 1.6).

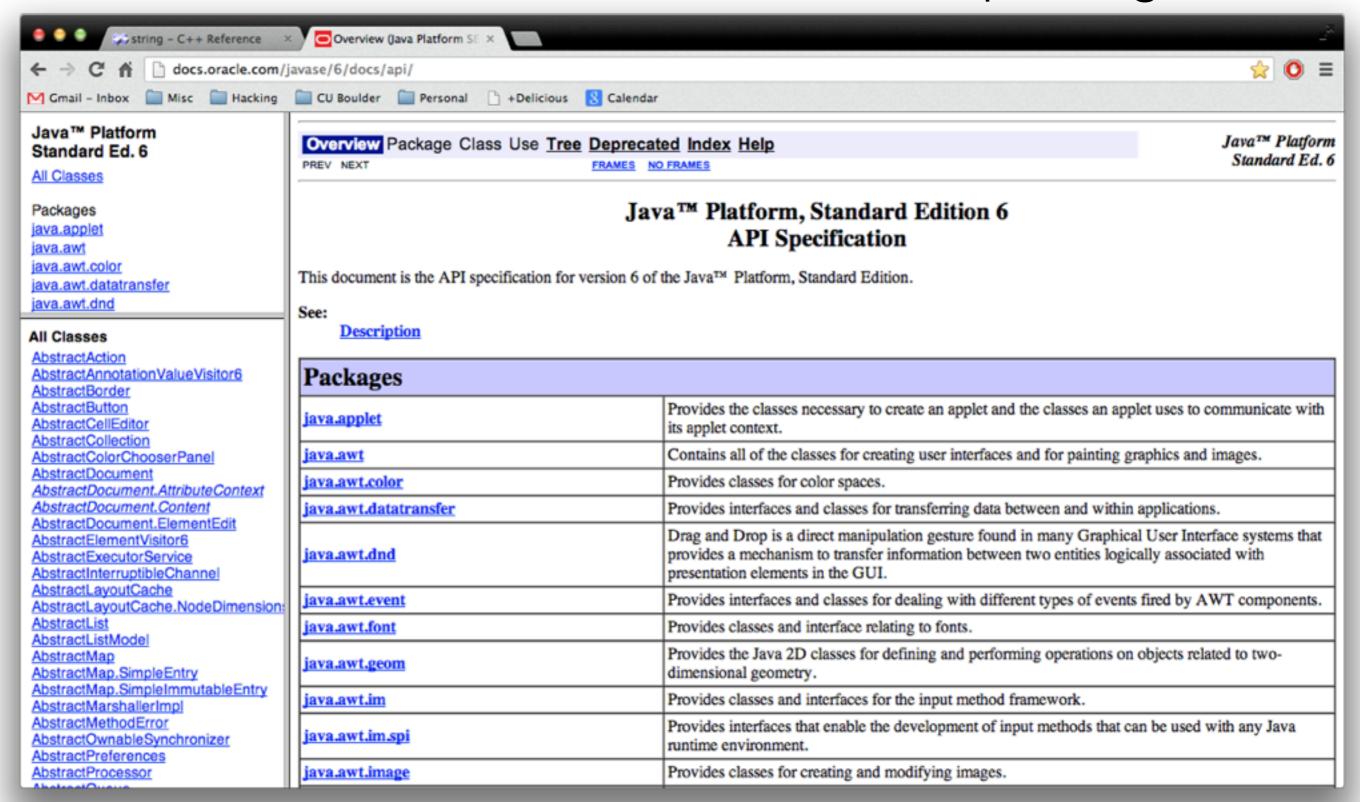
Bookmark the result. You should keep it open whenever you are hacking.

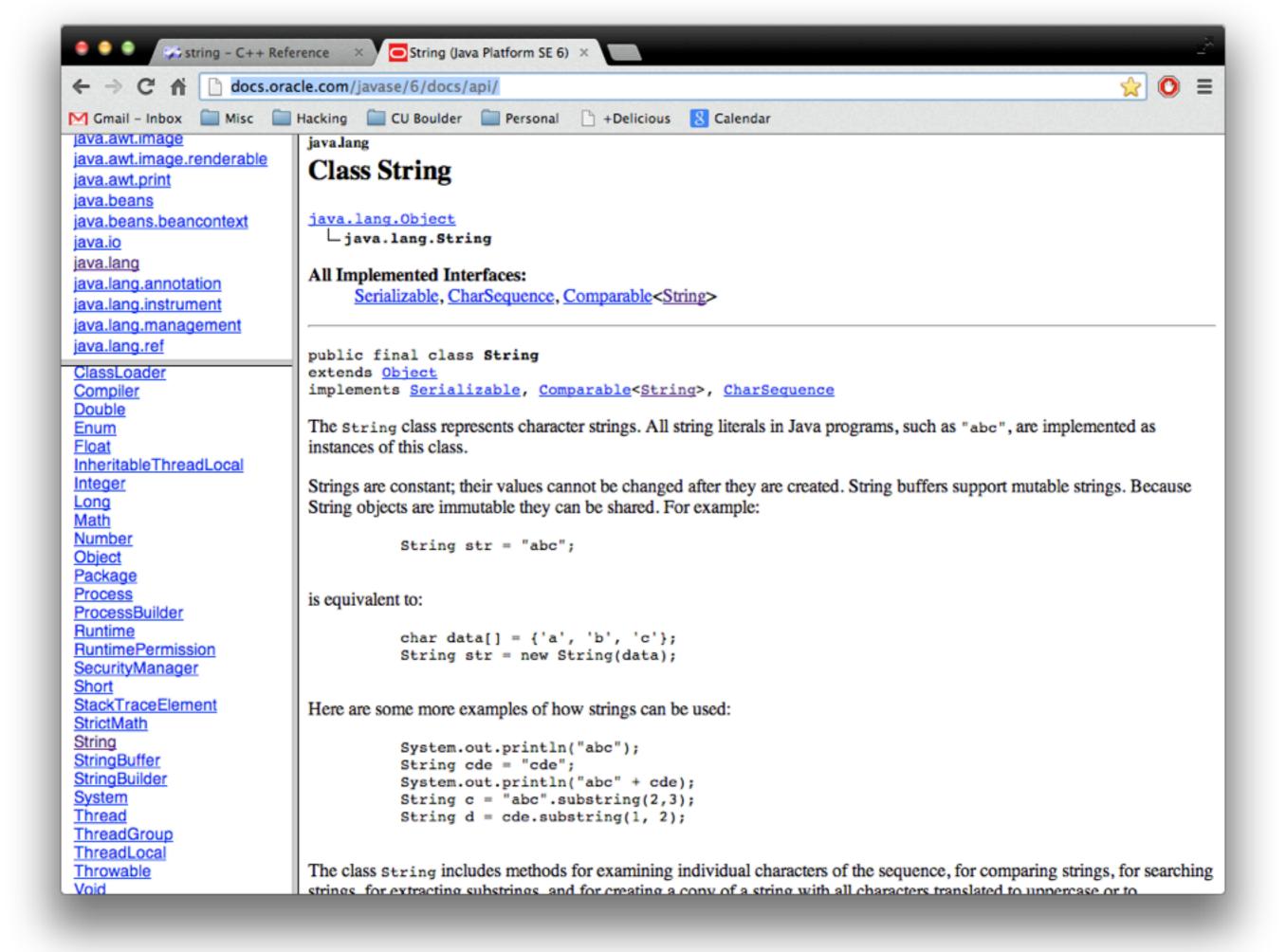
Top/Left: packages. java.util has basic stuff.

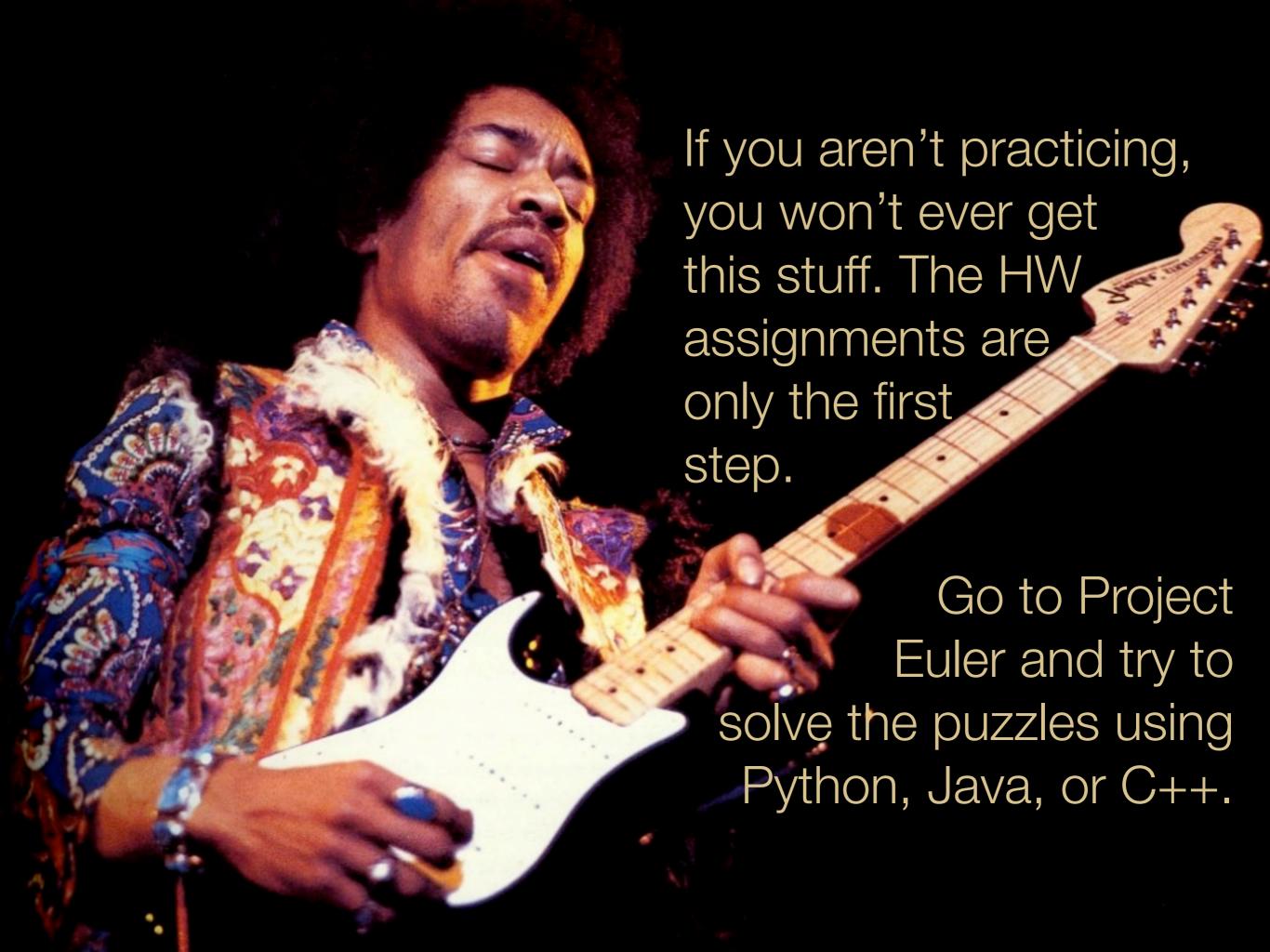


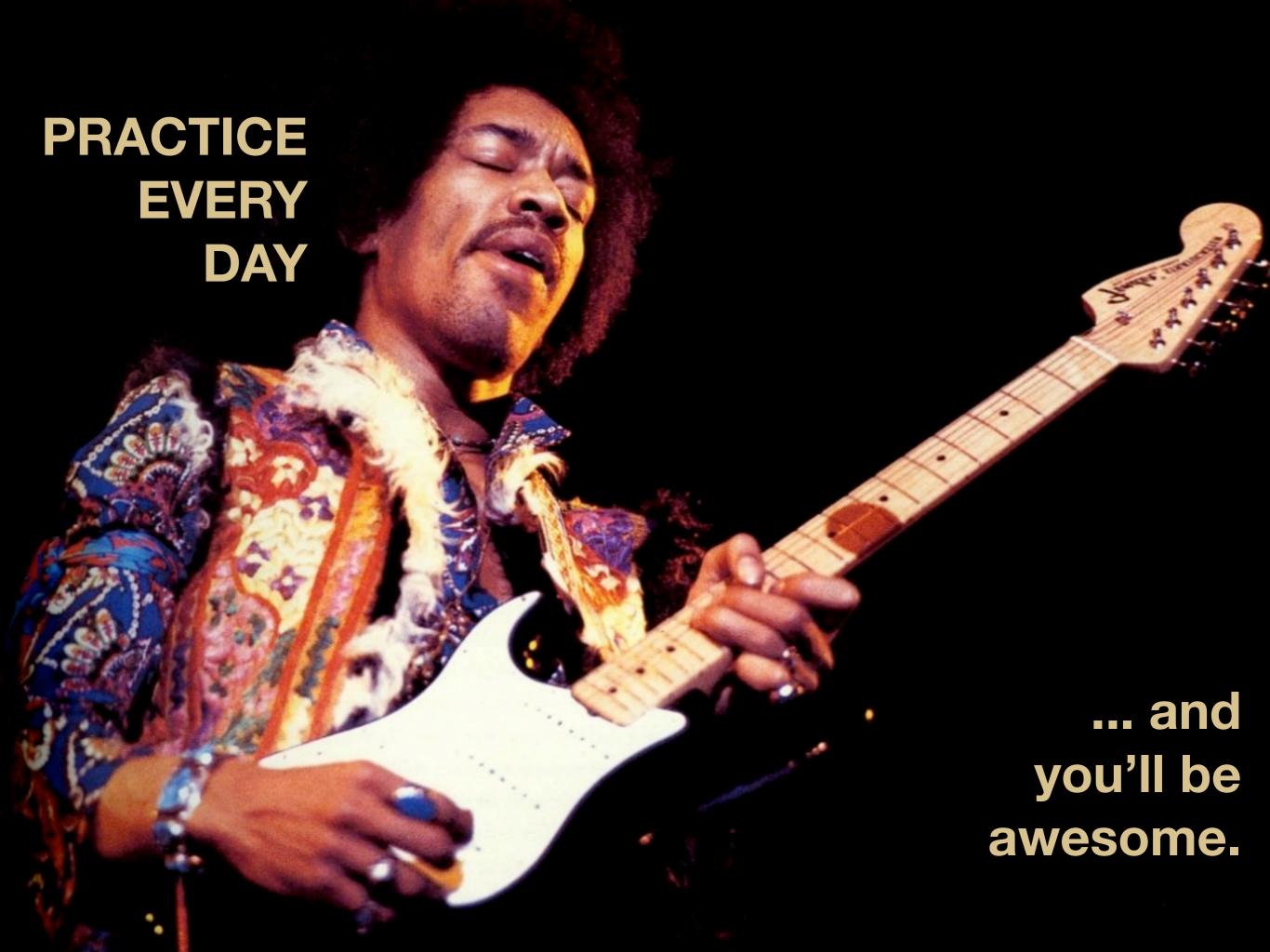
Bottom left: classes in a package.

Main area: documentation or package info.









More Java Graphics

Today we're going to program our circles to fly around and have social behavior.

This is Lecture_26.java.