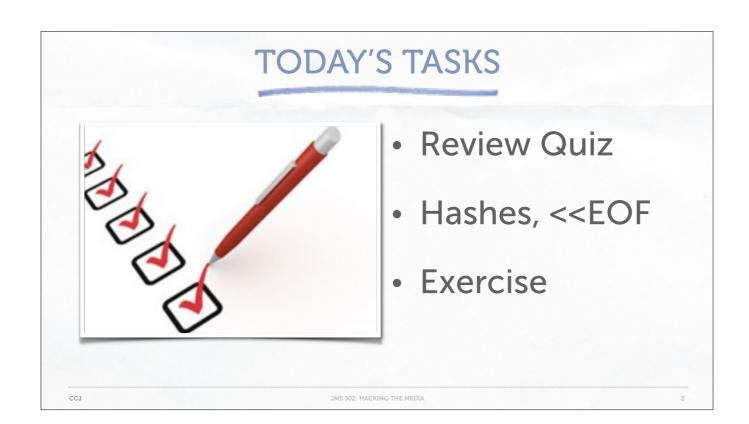
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CLASS 13: 9/30/2014





HASHES

- Similar to arrays, but we name each value rather than just the collection—i.e., we use a string instead of an index to refer to each element.
- hash_name[key] = value
- Example:

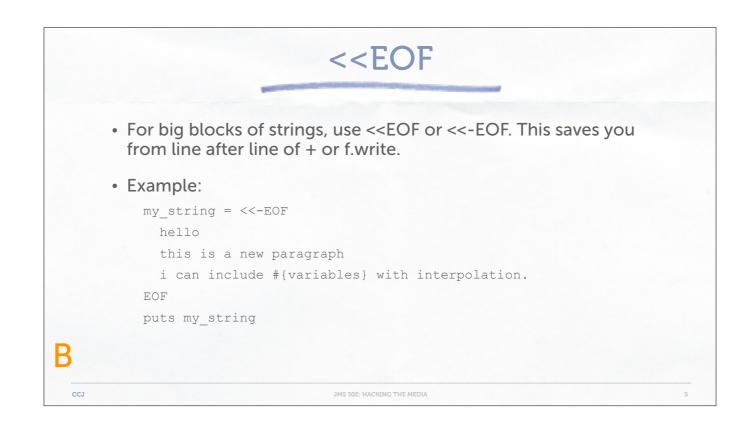
CCJ

```
student_grades = {} # or Hash.new
student_grades['Joe'] = 94
student_grades['Jill'] = 100
student_grades.each do |name, grade|
   puts "#{name} earned a grade of #{grade}."
   # or puts name + " earned a grade of " + grade + "."
end
# same as last 3 lines
student grades.keys do |name|
   puts "#{name} earned a grade of #{student_grades[name]}."
   # or puts name + " earned a grade of " + student_grades[name] + "."
end
puts student_grades
```

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See pages 97–99 in Pine.

Actually any object can serve as the key, but a string is most common.



- · EOF stands for "end of file."
- EOF must be on a line by itself. Without the -, it must be at the very beginning of the line.
- EOF is more common than -EOF, but the means you can keep your indentation of EOF.
- You can use any string, not just EOF, but you want one not likely to occur in your other text.
- The string you use must be on a line by itself, at the beginning of the line.
- Note that there is no space between << and EOF
- Don't use quotes around EOF. [You can use quotes around it after <<, and even there are special options available (http://www.tutorialspoint.com/ruby/ruby_syntax.htm). But just don't.]
- If this were all there were to the code, I don't need the variable. I could just do puts <<-EOF

EXERCISE

Interactive CSS Zen Garden

CC

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INTERACTIVE CSS ZEN

- We're going to write a ruby script that asks the user specific questions to determine the look of the page and then write that out to a css file. Use methods to do discrete tasks.
- Start simple. Work backwards.
- · Ask for: background color, link color, underline links
- Extra credit: Make the first character of the preamble a drop-cap.

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- · Make sure you have the index.html file from csszengarden.com. Look at the CSS file for ideas. Copy or rename to save original.
- edit html to point to root css
- File name. Hash. write_file.
- ask
- format css, view htmlcopy original css, modify background
 - http://www.csszengarden.com/tr/en/001/ (basis for sample css)
 - base url: http://www.csszengarden.com/001/ we can put this in the css for anything with a url value
- add questions
- Bonus: look for preamble, add special css. You'll need float (left) to make this look right.