Intro + static vs. dynamic pages (15 m.)

* Introduce myself
  + Why I like to program
  + Job history
* Students introduce themselves
  + How many have programmed before? (Besides making webpages w/o JS)
  + Is there anyone who didn’t take CIS 195?
  + How many have programmed in JavaScript?
  + How many have computers? Bring your computer to class
* Static pages vs. dynamic (interactive) pages
  + Examples:
    - [Facebook](https://www.facebook.com/) (likes, comments, add friend, etc.)
    - [LTD](https://www.ltd.org/) static pages (about us) and dynamic (trip planner)
  + **Exercise** (5 m.)
    - [LCC](https://www.lanecc.edu/) web site – which parts are interactive?

Intro continued, server-side vs. client side code (15 m.)

* Server-side code vs. client side (browser) code  
  (Draw a picture)
* What needs to happen on the server?
  + Storing data
  + Interaction with other users
  + Member information
  + Heavy processing tasks
* What can be done in the client?
  + Light-weight processing, examples:
    - Temperature and unit conversion
    - Time zone conversion
    - Single player games
  + Check user input before storing it
  + Animations
* Examples
  + [Facebook](https://www.facebook.com/) (likes, comments, add friend, etc.)
  + [LTD](https://www.ltd.org/) static pages (about us) and dynamic (trip planner)
* **Exercise** (5 m.)
  + [LCC](https://www.lanecc.edu/) web site – which parts could run on the server? Which parts in the browser?

About JavaScript (15 m.)

* Provides interactivity using client-side code.
  + Originally designed to just run in web browsers (client-side code) but now used everywhere including: server-side, desktop, and mobile
* A completely different language from Java, but has some syntax similarities
  + JS is interpreted, dynamic, and multi-paradigm (procedural & OO, imperative & functional). *We’ll explain these things later.*
* **Guided exercise**: Hello somebody (10 m.)
  + Simplest version (not very useful)  
     document.write("<p>Hello world!</p>");
  + Add a variable, now you can change the name, but you need to change the source code ☹  
     var name = "world"; // can change to “other names”  
     document.write("<p>Hello " + name + "!</p>");
  + Add an input prompt, now it’s sort of useful!   
     var name = prompt(“Please enter your name”);  
     document.write("<p>Hello " + name + "!</p>");

Course Tour (15 m.)

* Syllabus – quick overview
* Reading and Quizzes
  + Purpose of quizzes isn’t testing, it’s focus and accountability
* Lab assignments
  + Part 1 is the tutorial exercise
  + Part 2 requires problems solving
  + Upload results to citstudent
* Code reviews
  + Beta and Production versions
  + Code reviews used by real development teams
  + Look at the code review procedure document