Welcome to Intro to Modern JS (ES6)

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You can reach this at:

http://moxie.pro/ssa2017april

Teach yourself programming in 10 years

http://norvig.com/21-days.html

Course Software Setup

git clone https://github.com/JudyLipinski/modern-javascript-twoday.git

Links to E-Slides

    Chapter 2 practice:

    Chapter 4 Practice:

    For Loop Performance:

Chapter 7 - Forms

Course Software Setup

- **Let's** Review this slideshow on how to connect
  - NOTE: notice how to make your screen full size BEFORE logging in
- Go here: LInk to machine assignments
  - Add your name and email
    - try to login following steps in slideshow
      - Connect to http://labs.protechtraining.com

- ■ Once you have connected successfully, update the connected column to Yes

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Links to E-Slides

Chapter 2 practice:

```
<html>
<body>
```

```
<script>
      //now write your code

      //create an array of 3 objects using literal notation
      // use your hobbies etc.

      //each object should have 3 properties

      //create a function that receives an object and prints
      // properties

      //call the function passing one object at a time
</script>
</body>
</html>
```

1. Follow these directions so VS Code opens file in browser using Ctrl-Shift-B
https://www.webucator.com/blog/2016/06/launch-files-browser-visual-studio-code/

2. Adding HTML5 Snippets to VS Code
   1. Install Visual Studio Code 0.10.1 or higher
   2. Launch VS Code
   3. Launch the command palette by using `Ctrl-Shift-P` (Windows, Linux) or `Cmd-Shift-P` (OSX)
   4. Type in Install Extension and select 'Extensions : Install Extensions'
   5. Type `HTML5 Boilerplate`
   6. Choose the extension from the drop down
   7. Reload Visual Studio Code

MDN: https://developer.mozilla.org

Chapter 4 Practice:

Given a string such as this: Hello James
Produce this type of output:
h
HE
hel

HELL
hello
(keep going until you reach the end)

```
<script>
        let startString = 'Hello James';

        for (let counter = 1; counter<=startString.length; counter++) {
                let alieneggs = startString.substr(0,counter);
                if (counter % 2 != 0) {
                        console.log(alieneggs.toUpperCase());
                }
                else {
                    console.log(alieneggs.toLowerCase());
                }
        }


    </script>
```

For Loop Performance:

- https://jsperf.com/for-loop-research
- http://jsben.ch/#/y3SpC
- http://stackoverflow.com/questions/17989270/for-loop-performance-storing-array-length-in-a-variable

Good Morning! Happy Tuesday!

Please navigate to your project root and issue this command at the command prompt:

git pull

You should see something similar to this...

```
C:\Users\judy\Documents\course-dev\JS2Day>git pull
Updating 72db32a..a35e7d9
Fast-forward
 Demos/Ch07-Forms/validation.html | 8 ++++++--
1 file changed, 6 insertions(+), 2 deletions(-)
```

https://xkcd.com/607/

http://www.strangerdimensions.com/2011/10/03/john-titor-the-ibm-5100/

Chapter 7 - Forms

- More on forms https://www.w3schools.com/html/html_forms.asp
- Form validation
  - https://developer.mozilla.org/en-US/docs/Learn/HTML/Forms/Form_validation

Chapter 9: Functions

Reduce
https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/Reduce