

Introduction

Setup

Part 1: Skills Practice

Variables

Functions

Arrays

Objects

Git

Part 2: Password Validator

Directions

Going Further

Going Even Further

## Module 2 Project



### Introduction

It's time to practice and solidify the skills you learned in this module.

#### Warning: Independent work

This is an individual assignment. Please do not collaborate with your peers or share your work until the project is reviewed as a class.

### Setup

1. [Click here](#) to download the code files you need to for this project.
2. Navigate to the files on the command line and make sure you can run the following command.

```
$ node hello.js
You're ready to begin!
```

### Part 1: Skills Practice

In this section, you'll complete a series of practice problems that will ensure you practice the syntax and coding concepts from this week's lessons.

#### Note: Some of these problems are hard!

If you're not sure how to complete one or many of these problems, skip it and move on. We'd prefer that you attempt all the problems rather than spend hours trying to solve one particular problem. You can always come back to the ones you didn't finish at the end.

#### Variables

Open the file called ***variables.js*** and complete the problems that are described in the comments.

#### Functions

Open the file called ***functions.js*** and complete the problems that are described in the comments.

#### Arrays

Open the file called ***arrays.js*** and complete the problems that are described in the comments.

#### Objects

Open the file called ***objects.js*** and complete the problems that are described in the comments.

#### Git

Open the file called ***gitInfo.js*** and complete the problems that are described in the comments.

### Part 2: Password Validator

#### Note: Refer to this week's materials

Be sure to use your notes, lecture slides, and exercises from this week to help you complete this section. You can also use the Internet as a resource, especially if you're not sure on certain pieces of Javascript syntax.

#### Directions

Create a new file called ***password.js***. Write a program that does the following:

- Welcome the user to the password validator tool
- Prompt the user for a password to validate
- Check if the user's password meets the following constraint:
  - At least 10 characters long
- If the user's password meets the constraint, show a success message to the user
- If the user's password fails the constraint, show a failure message to the user

#### Hint: String Length

► *Click to expand*

#### Going Further

There are many other constraints you might want to check for the user's password. Add more constraints and checks to your program. You can read more about String methods in Javascript [here](#).

#### Going Even Further

Add some [ASCII Art](#) to the output of your program!

In order to use ASCII art in your output for the user, you'll need to use create a multi-line string. More info [here](#).

**Be sure to push your code to Github for this assignment!**