Snake.js:
Replication of popular in-browser game, made using javascript and html. Upon pressing the start button a red line representing a snake begins to traverse the canvas. The idea is to utilize the left and right html buttons in order to avoid running the snake's head into its own body and/or the borders of the canvas.
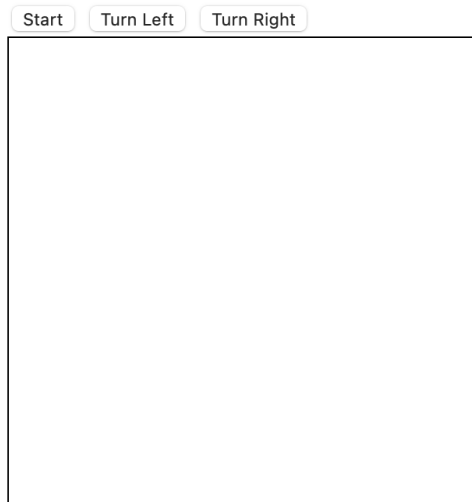
This file updates the canvas, changing the path of the snake using a rightTurn() and leftTurn() to determine and update the current position of the snake as well as determine the next movement direction via x and y coordinates. initStart() initializes the game and its difficulty via a timer that can be shortened to increase the snake's movement speed, this function also defines the isRunning function which is important for starting a new game. This function also manages the start/stop button functionality. newStart() "starts" the game if the game is supposed to be running and stops the game if the snake hits the wall. The main() function calls the start of the game and also is responsible for actually displaying the snake on the html canvas, this is the looping function passed into the timer.

Snake.html:
Simple html file that creates three buttons that work in conjunction with the corresponding javascript functions. Also creates the games canvas.
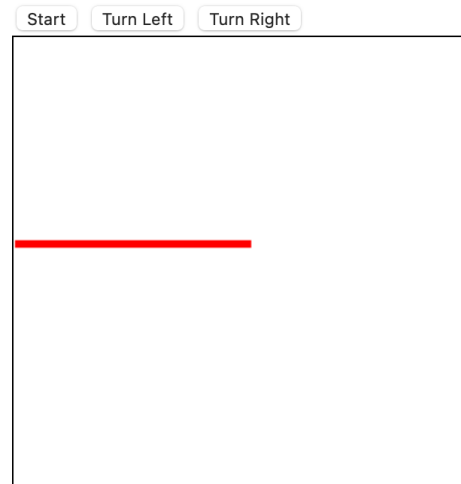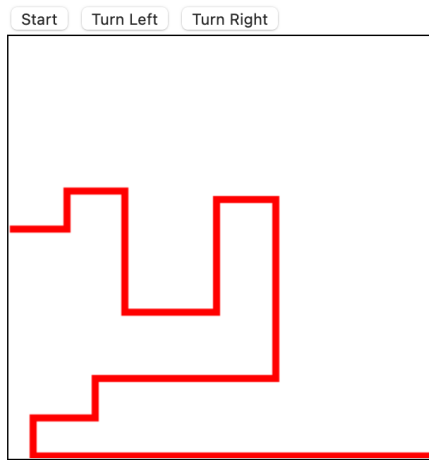
Blank Canvas: **Start/stop functionality:**
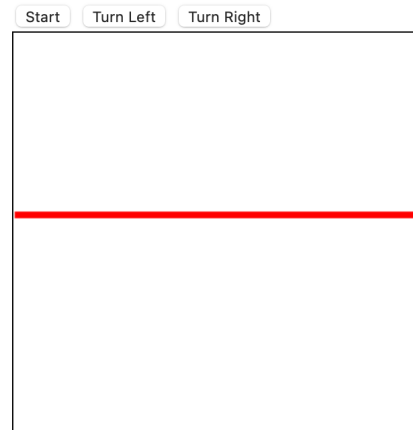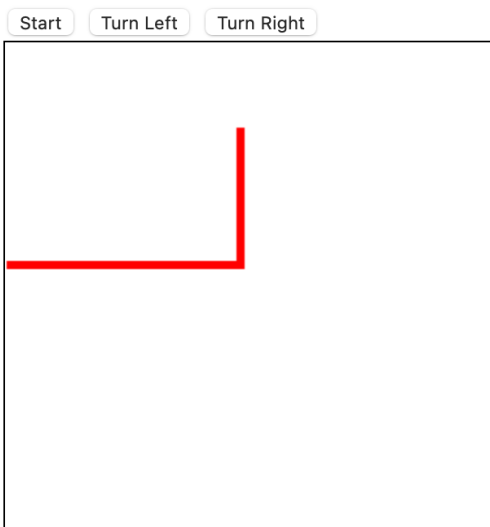
Snake   # Snake

Start   Turn Left   Turn Right   Start   Turn Left   Turn Right

Traverse paths:

Snake

Start | Turn Left | Turn Right

Wall stop:

Snake

Start | Turn Left | Turn Right

Left function:

Snake

Start | Turn Left | Turn Right

Right Function:

Snake

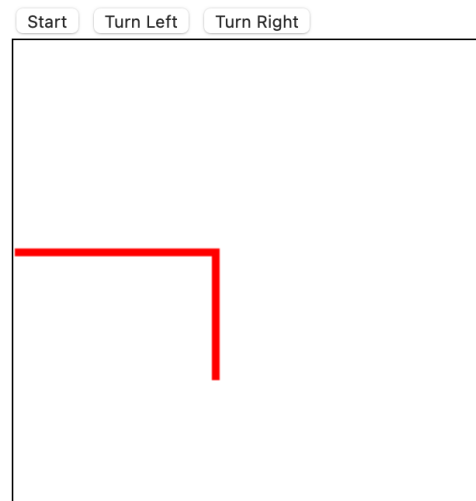Start | Turn Left | Turn Right

Hw3.js:

Node JS file that solves a variety of trivial problems (lc easy/codingbat/etc). Most of the tasks here are similar and two of the tasks I was able to even use within each other. Reads in the users input using readsync and outputs them via console.log.

```
[(base) Jaydons-MacBook-Pro:task2 jaydoncobb$ node example
1st Number: 5
2nd Number: 1234
3rd Number: 1234567
4th Number: 12321
Factorial of the 1st number = 120
The sum of all digits of the 2nd number is = 10
The reverse of the 3rd number is = 7654321
Is the 4th number a palindrome (True/False)? = true
```