Task 1

```
> make = "Toyota";
< 'Toyota'
> model = "Prius";
< 'Prius'
> colour = "Blue";
< 'Blue'
> year = 2012;
< 2012
> age = 2025 - year;
< 13
> make
< 'Toyota'
```
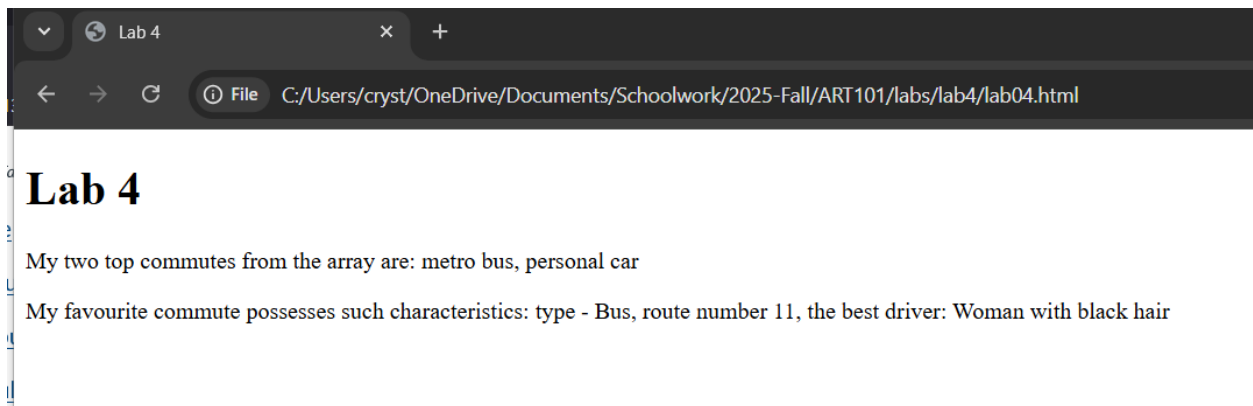
```
> ownIt = Boolean(true)
< true
> make
< 'Toyota'
> model
< 'Prius'
> colour
< 'Blue'
> year
< 2012
> age
< 13
> ownIt
< true
```

Task 1 cont.

```
labs > lab4 > <> lab04.html > ⊘ html > ⊘ body > ⊘ h1
  1    <!DOCTYPE html>
  2  ∨ <html lang="en">
  3
  4  ∨ <head>
  5        <!-- All techy stuff goes here, inside HEAD -->
  6        <meta charset="UTF-8">
  7        <meta name="viewport" content="width=device-width, initial-scale=1.0">
  8        <!-- Overall title of your page -->
  9        <title>Lab 4</title>
 10        <!-- Link to external CSS file -->
 11        <link rel="stylesheet" href="lab04.css">
 12        <!-- jQuery library -->
 13        <script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>
 14        <!-- Link to external JavaScript file -->
 15        <script src="lab04.js" defer></script>
 16    </head>
 17
 18  ∨ <body>
 19        <!-- Main content goes here, inside BODY -->
 20        <h1>Lab 4</h1>
 21        <div id="output"></div>
 22    </body>
 23
 24    </html>
```

```
labs > lab4 > JS lab04.js > ...
  1    // declaring an array with name myCommutes
  2    let myCommutes = ["metro bus", "UCSC taps bus", "personal car"];
  3
  4    // declaring an object with name myFavouriteCommute
  5    let myFavouriteCommute = {
  6        type: "Bus",
  7        route: 11,
  8        print: "Ferns",
  9        hasMiddleDoor: true,
 10        drivers: ["Old Lady", "Woman with black hair", "Crewcut guy"],
 11    };
 12
 13    let megaSentence;
 14
 15    megaSentence = "<p>My two top commutes from the array are: " + myCommutes[0] + ", " + myCommutes[2] + "</p>";
 16    megaSentence = megaSentence + "<p>My favourite commute possesses such characteristics: type - " + myFavouriteCommute.t
 17
 18    $("#output").html(megaSentence);
```

Lab 4

My two top commutes from the array are: metro bus, personal car

My favourite commute possesses such characteristics: type - Bus, route number 11, the best driver: Woman with black hair

Task 2

```
environ > <> env03.html > ⊗ html > ⊗ head > ⊗ script
 1  <!doctype html>
 2  <html xmlns="http://www.w3.org/1999/xhtml" lang="en-EN">
 3
 4      <head>
 5          <!-- All techy stuff goes here, inside HEAD -->
 6          <meta charset="UTF-8">
 7          <meta name="viewport" content="width=device-width, initial-scale=1.0">
 8          <!-- Overall title of your page -->
 9          <title>Natasha's Inner World</title>
10          <!-- Link to external CSS file -->
11          <link href="env03.css" rel="stylesheet" type="text/css" />
12          <!-- jQuery library -->
13          <script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>
14          <!-- Link to external JavaScript file -->
15          <script src="env03.js" defer></script>
16      </head>
17
18      <body>
19
20          <!-- Introduction -->
21          <div id="output" class = "output"></div>
22          <p>
23              For years, each night I've fallen asleep, there has been a chance I find myself dreaming in an unfamiliar landscape.
24              It was a strange, uncanny yet persistent environment that stayed mostly consistent each time I'd visit. Across several nights of effort, I mapped out
25              <br><br>
26              I'd like invite you to join me now, to explore it together.
27          </p>
28
29          <!-- Images -->
30          <div class="flex-container">
31              <img id="hank" src="../images/hank.png">
32              <div id="outputHank"></div>
33              <img id="lahdi" src="../images/lahdi.png">
34              <div id="outputLahdi"></div>
35          </div>
36
37          <!-- Location Context -->
38          <p>
39              Plenty of strange beings inhabit these lands. They're quite bizarre, forgive the depths of my unconscious for that. This one is named Hank. I don't k
40          </p>
41
42
43          <div id="outputLocation"></div>
44          <div id="outputInhabitants"></div>
45
46      </body>
47
48
49  </html>
```
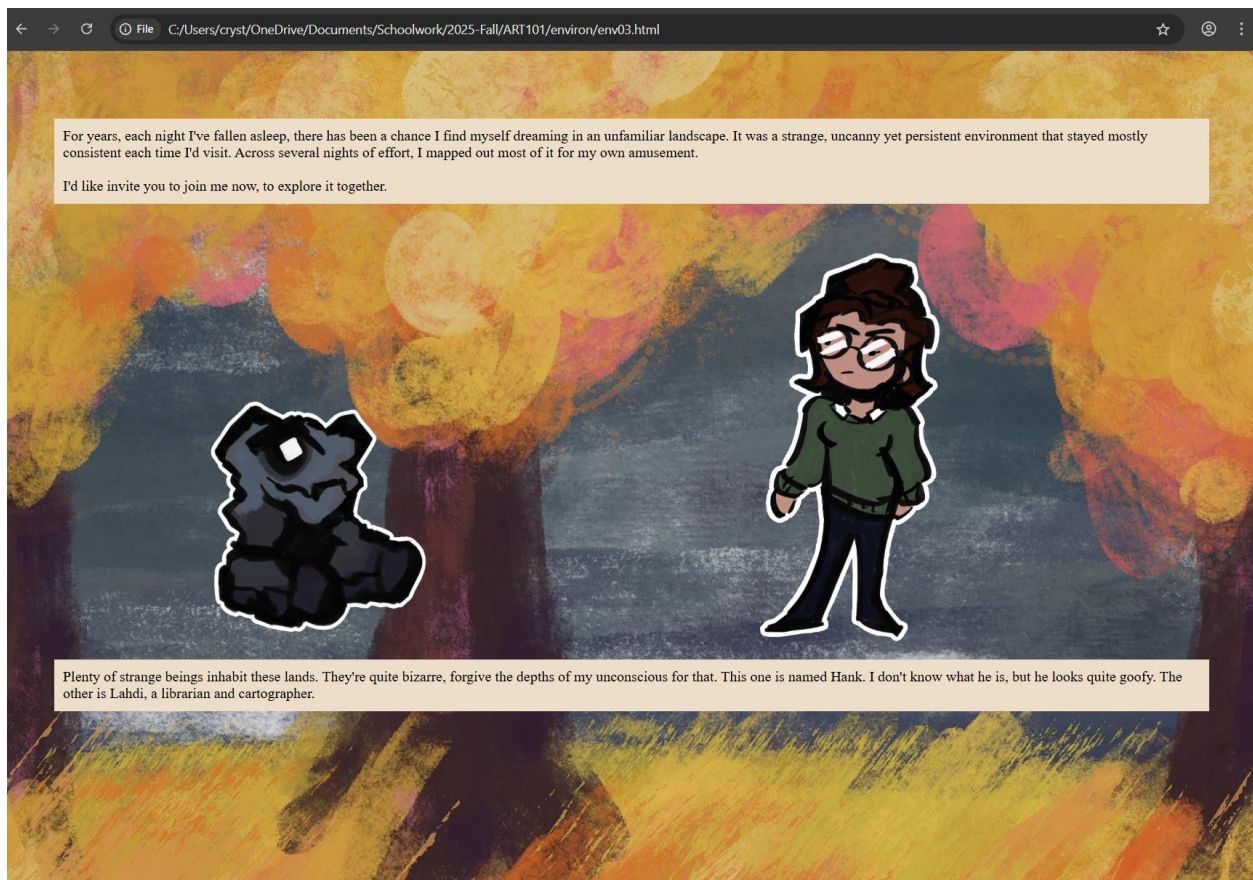
```javascript
1   // ---Defines---
2
3   // Variable
4   let location = "the Aspen Forest";
5
6   // Array
7   let inhabitants = ["YOU", "LIGHT ARRAY CREATURES", "BOUNDARYMEN", "HANK", "LAHDI"];
8
9   // Objects
10  let hankCharacter = {
11      name: "Hank",
12      species: "Semi-robotic biped",
13      height: 10,
14      fav_colour: "Blue",
15  };
16
17  let lahdiCharacter = {
18      name: "Lahdi",
19      species: "Human(?)",
20      height: 5.4,
21      fav_colour: "Green",
22  };
23
24
25  // ---Outputs---
26  $("#output").html("<p> Test!! TEST CASE! PLEASE SHOW UP!!! </p> ");
27  $("#output").append("<p> Test!! TEST CASE! PLEASE SHOW UP!!! </p> "); // My frustration is evident.
28
29  // Locations
30  let introductionLocation = "<p> You are currently standing in " + location + ".</p>";
31
32  $("#outputLocation").append(introductionLocation);
33
34  // Inhabitants
35  let introductionInhabitants = "<p> Within " + location +
36  ", the following inhabitants may be found: <br>" + inhabitants + "</p>";
37
38  $("#outputInhabitants").html(introductionInhabitants);
39
40  // Hank
41  let introductionHank = "<p> This is " + hankCharacter.name
42  + ". He is a " + hankCharacter.species
43  + " standing at " + hankCharacter.height + " feet. <br>"
44  + "His favourite colour is: " + hankCharacter.fav_colour + "</p>";
45
46  $("#outputHank").html(introductionHank);
47
48  // Lahdi
49  let introductionLahdi = "<p> This is " + lahdiCharacter.name
50  + ". She is a " + lahdiCharacter.species
51  + " standing at " + lahdiCharacter.height + " feet. <br>"
52  + "Her favourite colour is: " + lahdiCharacter.fav_colour + "</p>";
53
54  $("#outputLahdi").html(introductionLahdi);
55
56
```

```css
1   BODY {
2       background: ■#f5e4a1;
3       padding: 50px;
4       background-image: url('../images/img_env01_bg.png');
5       background-size: cover;
6       background-attachment: fixed;
7       background-repeat: no-repeat;
8   }
9
10  p {
11      background-color: ■#eddeca;
12      padding: 10px;
13      border: 4px;
14      border-color: ■#bc8a1d;
15  }
16
17  #hank {
18      width: 300px;
19  }
20
21  #lahdi {
22      width: 250px;
23  }
24
25  #grass {
26      width: 1000px;
27      margin: 0px;
28  }
29
30  .flex-container {
31      display: flex;
32      flex-direction : row;
33      justify-content: space-evenly;
34      flex-wrap: nowrap;
35      align-items: flex-end;
36  }
37
38  .output {
39      background: ■green
40  }
```

Task 3

https://natashamakani.github.io/ART101New/

Task 4

Task 1 compare + contrast:
In comparison with the lecture, we define our variables in the same line of code as we create them, compared to a 'let catName;' line followed by 'catName=" Lazy "'. I opt for 'let catName = " Lazy "' style instead.

Both the lecture and the lab define objects, arrays, and perform string conjugations.

Task 1 overview:

I had no challenges. It was incredibly straightforward for me, actually!

Task 2 process:

Task 2 was a struggle for me, and that's why this lab is late. I was sick all weekend (flu vaccine reaction) and really struggled to make my html file even acknowledge the presence of the .js file, despite everything theoretically working fine. I cross-referenced with the follow-along, prior examples, everything... and I was stumped for the longest time.

Luna and I talked it over, exchanged code, and she's equally confused as to my issue. This is the first time I'm waving the white flag of surrender; It *should* work.

Collaboration:

We had scheduling conflicts (and illness) during our usual get-together time, so this week's collaboration portion was a bit scuffed. Most of our communication happened when we sat together on Tuesday evening.