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Section C
LAB 6
2/1/2021



The screenshot shows a web browser's developer console with the 'Console' tab selected. The console displays the following JavaScript code and its output:

```
> var myTransport = ["car", "bus", "bike", "plane", "boat"]
< undefined
> var myMainRide = {make: "toyota", model: "prius", color: "green", year: "2020", age: "1",}
< undefined
> myTransport[1]
< "bus"
> myMainRide.make
< "toyota"
> myMainRide.model
< "prius"
> myMainRide.color
< "green"
> myMainRide.year
< "2020"
> myMainRide.age
< "1"
> console.log("My Wheels:" + myTransport)
My Wheels:car,bus,bike,plane,boat VM2474:1
< undefined
> console.log("My Wheels:" + myMainRide)
My Wheels:[object Object] VM2516:1
< undefined
> console.log("My Wheels:", myMainRide)
My Wheels: VM2674:1
  {make: "toyota", model: "prius", color: "green", year: "2020", age: "1"}
```

Task 1: Javascript console

```
lab.js — lab6/js — ~/Desktop/art101
Welcome Guide | lab.js — lab6/js | la

1  /**
2   * Author: Ashwin Gupta and Eloise Shevin
3   * Created: 2.1.2021
4   * License: Public Domain
5   */
6  var myTransport=["car", "bus", "bike", "plane", "boat"];
7  var myMainRide= {
8      make: "Toyota",
9      model: "Prius",
10     color: "Green",
11     year: "2020",
12     age: "1",
13 };
14 document.writeln("Getting around: " + myTransport + "<br>");
15 document.writeln("My Main Ride: <pre>",
16     JSON.stringify(myMainRide, null, '\t'), "</pre>");
17
```

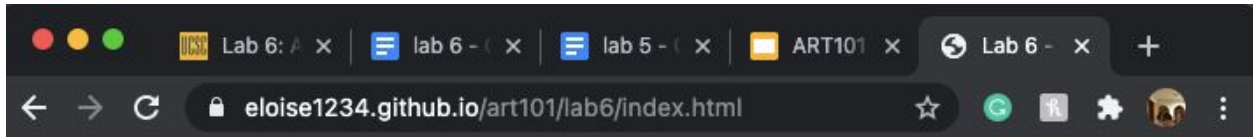
Task 2: Javascript code

```

1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Lab 6 - Arrays and Objects</title>
5      <link rel="stylesheet" type="text/css" href="../css/site.css">
6      <link rel="stylesheet" type="text/css" href="css/lab.css">
7  </head>
8  <body>
9      <h1> Lab 6 - Arrays and Objects</h1>
10
11     <div id="challenge">
12         <h2> Challenges </h2>
13         <p> In this lab we had to use a javascript console and input different variables of our most preferred method
14     </div>
15
16     <div id="problems">
17         <h3> Problems </h3>
18         <p> We faced a problem with getting the console log to print the object, and we figured out how concatenati
19     </div>
20
21     <div id="results">
22         <h4> Results </h4>
23         <p> Here is the program execution for our Lab: </p>
24         <div>
25             <h5>Script Output</h5>
26             <script src="js/lab.js"></script>
27         </div>
28         
29
30
31 </body>
32 </html>
33

```

Task 3.1: HTML code



Lab 6 - Arrays and Objects

Challenges

In this lab we had to use a javascript console and input different variables of our most preferred methods of transportation and our vehicle as an array and an object respectively. We were then asked to reference the variables and print them out in the console. Next, we needed to input these variables into a Javascript file and print them out according to their type (array or object).

Problems

We faced a problem with getting the console log to print the object, and we figured out how concatenation conflicts with non string variables, and how to get around it by using a comma instead.

Results

Here is the program execution for our Lab:

Script Output

Getting around: car,bus,bike,plane,boat

My Main Ride:

```
{  
  "make": "toyota",  
  "model": "prius",  
  "color": "green",  
  "year": "2020",  
  "age": "1"  
}
```



Task 3.2: HTML file on GitHub

<https://eloise1234.github.io/art101/lab6/index.html>

Summary of efforts:

We worked together on the console log task, and while we had some problems figuring out how the syntax worked for declaring and printing objects, we were able to figure it out using online resources. Once we had figured it out in the browser console it was easier for us to do the same in the Javascript file.

Continuing, we had an easy time creating the HTML and designing its CSS stylesheet. We find that the more we practice this sort of task, it then becomes an unproblematic routine we are familiar with. The CSS process was fun to make as we were able to experiment with new colors and input a comical image in a new type of border. To conclude, this lab started off difficult because of our issues with the printing of the object, yet we quickly learned and persevered to create what is our Lab 6 website.