

Yifeng Huang

ART101 - Programming for the Arts

2024 Spring Quarter

Lab 4: Pseudocoding and Problem-solving

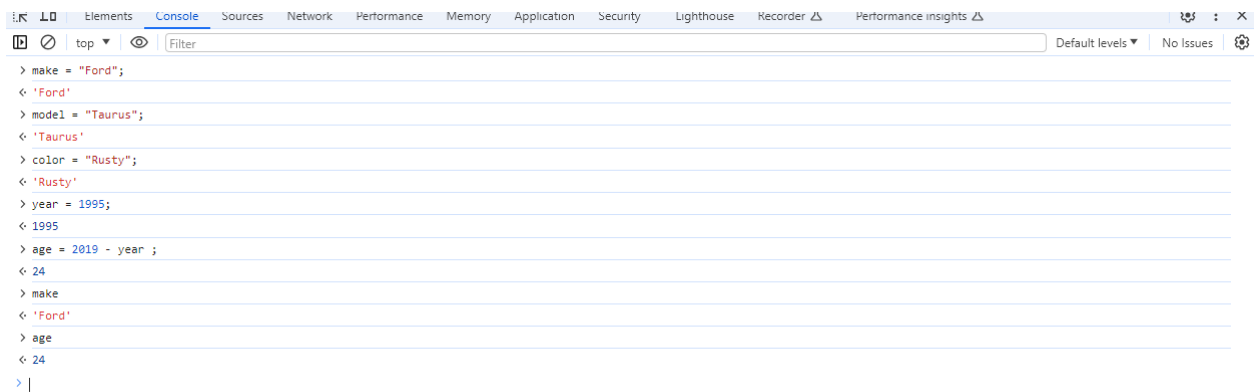
4/24/2024

### Links to the lab assignment result

Home Page: <https://yhuan359.github.io/art101>

This Lab page: <https://yhuan359.github.io/art101/lab5/index.html>

### Task 1: Javascript variables



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

```
> make = "Ford";  
< 'Ford'  
> model = "Taurus";  
< 'Taurus'  
> color = "Rusty";  
< 'Rusty'  
> year = 1995;  
< 1995  
> age = 2019 - year ;  
< 24  
> make  
< 'Ford'  
> age  
< 24  
> |
```

## Task 2: A JavaScript Program

```
lab5 > js > JS lab5.js
1  /* Author: Yifeng Huang <yhuang359@ucsc.edu>
2  * Created: 4/26/24
3  * License: Public Domain
4  */
5
6  // Define variables
7  make = "Ford";
8  model = "Taurus";
9  color = "Rusty" ;
10 year = 1995;
11
12 // calculate
13 age = 2019 - year;
14
15 // output
16 document.writeln("Make: " +make + "<br>");
17 document.writeln("Model:" +model + "<br>");
18 document.writeln("Color: " +color + "<br>");
19 document.writeln("Year: " +year + "<br>");
20 document.writeln("Age: " +age + "years<br>");
```

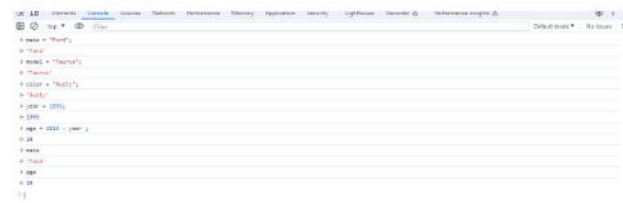
## Task 3: Create an index.html for Lab 5

```
lab5 > index.html > html > head > p > ?
1  <html>
2  |   <head>
3  |   |   <title> Lab 5: Data Types and Variables</title>
4  |   |   <h1>Console output</h1>
5  |   |   <p> This is the console that I made</p>
6  |   |   <p></p>
7  |   |   <h2>Java output</h2>
8  |   |   <p> This is the Java output.</p>
9  |   |   <p></p>
10 |   |   <h2>HTML output</h2>
11 |   |   <p> This is the HTML output.</p>
12 |   |   <p></p>
13 |   |   <h2> Results</h2>
14 |   |   <p> This is the index.html I created. Here is the program execution<
15 |   |   </div> |
16 |   |   <h2> Script output </h2>
17 |   |   <script src="js/lab5.js"></script>
18 |   |   </div>
19 |   </head>
20 |   </body>
21 </html>
```

## Task 4: Debug, Upload, and Test

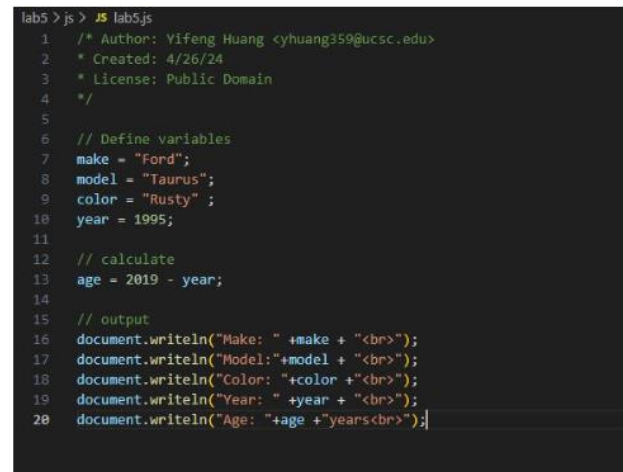
### Console output

This is the console that I made



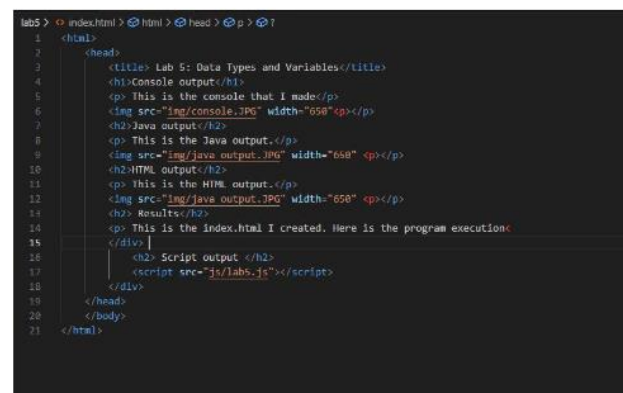
### Java output

This is the Java output.



### HTML output

This is the HTML output.



### Results

This is the index.html I created. Here is the program execution<

### Script output

Make: Ford  
Model: Taurus  
Color: Rusty  
Year: 1995  
Age: 24years

## **Summary of Efforts**

This is my 2<sup>nd</sup> submission for this assignment after reviewing the class materials and the requirements of the lab assignment. Since I don't have a partner for the assignment, I discussed it with my friends instead to clarify what I did was following the direction.

I did not do it right in the 1<sup>st</sup> submission because I did not have the correct settings in the template, nor did I follow the instructions through the work. I started over the GitHub and local setup and re-did Lab 5 based on the settings.

It's great to learn about data types and variables for problem solving that can be applied to daily living and especially for coding. It provides a clear picture and steps for what the problem is and how to solve it step by step when creating the codes.

I re-submitted this assignment for the teacher to review and re-grade if needed. Thanks.

## Self-Evaluation Rubric

Self-Evaluation Rubric						
Did you complete the assignment and did you complete it on time?	Submitted on time	Up to 1 day late	Up to 2 days late	Up to 3 days late	Up to 4 days late	<b>Do you need to clarify?</b>  1 <sup>st</sup> submission was on-time. Resubmitted it with corrections 2 days later.
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Did you collaborate with a partner?	A lot of effort		Some effort		Not this time	<b>Do you need to clarify?</b>
	<input type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>	
Did you put in earnest effort and provide an articulate summary of your experience?	Excellent	Pretty good	About average	Could be improved	Not this time	<b>What supports this?</b>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was the assignment complete, with minimal errors, correct output, and good style?	Excellent	Pretty good	About average	Could be improved	Not this time	<b>What supports this?</b>  My 1 <sup>st</sup> submission did not meet what was required. The 2 <sup>nd</sup> submission, I started over and corrected the mistakes
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
How much EXTRA effort did you put into the assignment?	A lot of extra effort		Some extra effort		Not this time	<b>What supports this?</b>  I had a second thought what I should do to meet the requirements and re-did the assignment over again.
	<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
<b>Summary of your evaluation/efforts:</b> <p>This is my 2<sup>nd</sup> submission for this assignment after reviewing the class materials and the requirements of the lab assignment. Since I don't have a partner for the assignment, I discussed with my friends instead to clarify what I did was following the direction.</p> <p>It's great to learn about data types and variables for problem solving that can be applied to daily living and especially for the coding. It provides a clear picture and steps what the problem is and how the solve it step by step when creating the codes.</p>						