

Pichy Jumholwong & Zac Nakamura
Lab 12: Conditionals
5/16/22

Task 1:

```
1  <!DOCTYPE html>
2  </html>
3  <html>
4  <head>
5    <title>Lab 12 - Conditionals</title>
6    <script src="js/lab.js" defer></script>
7    <script src="https://code.jquery.com/jquery-3.6.0.min.js"
8      integrity="sha256-/xUj+30JU5yExlq66SYGSHk7tPXikynS7ogEvDej/m4="
9      crossorigin="anonymous"></script>
10   <link rel="stylesheet" type="text/css" href="../css/site.css">
11   <link rel="stylesheet" type="text/css" href="css/lab.css">
12 </head>
13 <body>
14   <h1>
15     Lab 12: Conditionals
16   </h1>
17   <h2>
18     Challenges
19   </h2>
20   <p>
21     One of the challenges we encountered was that our sortingHat function was not working as intended initially.
22     We realized though that we did not use "else if" for each of the conditionals. We were using just else.
23   </p>
24   <h2>
25     Problems
26   </h2>
27   <p>
28     We had a problem with getting the house names to return, but later realized that we needed to use two equals
29     signs within the conditionals.
30   </p>
31   <h2>
32     Results
33   </h2>
34   <p>
35     Check out the results of our working function!
36   </p>
37   <h2>
38     House sorting
39   </h2>
40   <div class="input-output">
41     Please enter your name for sorting:
42     <input type="text" id="input">
43     <button id="button">
44       Submit
45     </button>
46     <div id="output">
47   </div>
48 </div>
49 </body>
50 </html>
51
```

Screenshot of our Atom source code

Task 2:

```
1 // Authors: Pichy Jumholwong and Zac Nakamura
2 // Created: 10 May 2022
3 // License: Public Domain
4
5 function sortingHat(str) {
6   len = str.length;
7   mod = len % 4;
8   if (mod == 0) {
9     return "Targaryen"
10  }
11  else if (mod == 1) {
12    return "Lannister"
13  }
14  else if (mod == 2) {
15    return "Stark"
16  }
17  else if (mod == 3) {
18    return "Tyrell"
19  }
20  else if (mod == 4) {
21    return "Baratheon"
22  }
23  else if (mod == 5) {
24    return "Martell"
25  }
26  else if (mod == 6) {
27    return "Tully"
28  }
29  else if (mod == 7) {
30    return "Greyjoy"
31  }
32  else if (mod == 8) {
33    return "Arryn"
34  }
35 }
36
37 var button = document.getElementById("button");
38 button.addEventListener("click", function(){
39   var name = document.getElementById("input").value;
40   var house = sortingHat(name);
41   assignedHouse = "<p>Your Game of Thrones House is House " + house + "</p>";
42   document.getElementById("output").innerHTML = assignedHouse;
43 })
44
```

Screenshot of our JavaScript file in Atom

Task 3:

Lab 12: Conditionals

Challenges

One of the challenges we encountered was that our sortingHat function was not working as intended initially. We realized though that we did not use "else if" for each of the conditionals. We were using just else.

Problems

We had a problem with getting the house names to return, but later realized that we needed to use two equals signs within the conditionals.

Results

Check out the results of our working function!




House sorting

Please enter your name for sorting:
Your Game of Thrones House is House Lannister!

Screenshot of our working webpage on the server

Self-Evaluation Rubric:

Self Evaluation Rubric (Pichy Jumpholwong and Zac Nakamura)						
<u>Did you complete the assignment and did you complete it on time?</u>	<u>Submitted on time</u>	<u>Up to 1 day late</u>	<u>Up to 2 days late</u>	<u>Up to 3 days late</u>	<u>4 days late or more</u>	<u>Do you need to clarify?</u>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<u>Did you collaborate with a partner?</u>	<u>Worked with partner</u>			<u>Worked alone</u>		<u>Do you need to clarify?</u>
	<input checked="" type="checkbox"/>			<input type="checkbox"/>		
<u>Did you put in earnest effort and provide an articulate summary of your experience?</u>	<u>Excellent</u>	<u>Pretty good</u>	<u>About average</u>	<u>Could be improved</u>	<u>Not this time</u>	<u>What supports this?</u>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<u>Was the assignment complete, with minimal errors, correct output, and good style?</u>	<u>Excellent</u>	<u>Pretty good</u>	<u>About average</u>	<u>Could be improved</u>	<u>Not this time</u>	<u>What supports this?</u>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<u>How much EXTRA effort did you put into the assignment?</u>	<u>A lot of extra effort</u>		<u>Some extra effort</u>		<u>Not this time</u>	<u>What supports this?</u>

						
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Summary of your evaluation/efforts:

We put in a lot of effort as we did not want our code to resort to Harry Potter, but instead have it relate to something new and exciting like Game of Thrones! Because there are many houses in Game of Thrones, we added the main seven, therefore adding more conditionals, making our code more interesting, longer, and overall more enjoyable. We also changed our font to match the style of the show a bit and this took a bit of experimenting as we did not know which font would best fit. In addition to experimenting, we also did this with the border as when you hit submit, your sorted house would be bordered.