

Homework 5

Due Sunday at midnight

Note: all of these javascripts can be done in the same html page. You can either put `<script>` and `</script>` around each individual problem, or you can just put it around all the problems, and just keep adding to the javascript you created for the first problem.

1. Create a new javascript that has 2 variables: your first name in the first variable, and your last name in the second variable. Now use `document.write` to write a paragraph with, "Hi, my first name is Joe and my last name is Smith", using your variables (replace Joe with your first name and Smith with your last name). Notice how the quotes work. Also, make sure this is an html paragraph you are writing using `document.write`.
2. Create a javascript that has 1 variable. Set the value in that variable to be your favorite cookie. Now use `document.write` to print out the tag for an ordered list. Then use `document.write` to create a list item with that variable as the first item. Now, change the variable to be your second favorite cookie. Use `document.write` to print out a second list item with the second cookie as the item. Use `document.write` to close the list.
3. Create a new javascript. Use a variable and the prompt box to ask the user, "what is your favorite color?". Then use `document.write` to print out what the user entered in a paragraph.
4. We're going to calculate how much money someone is paying in interest on their car. So use a javascript prompt to ask the user how much their monthly car payment is (and make sure to store the answer in a variable. Then use a prompt to ask the user how many months they must make car payments in total, and use a variable to store the answer. Now finally use a prompt to ask the user how much the car originally cost and use a variable to store that value.
So now create a brand new variable. Store in the variable the amount of interest, calculated as:
Multiply the monthly car payment by the total number of months, and then subtract the cost of the car.
Use `document.write` to write out a paragraph telling the user how much they are paying in interest.
5. Use the prompt box to ask the user for their age. If their age is over 50, use `document.write` to write out "you are a baby boomer". If they are over 30 but 50 or under, use `document.write` to write out, "you are part of generation x". If they are over 15, but 30 or under, use `document.write` to write out, "you are a millennial" and if they are 15 or under, use `document.write` to write out, "you aren't anything".
6. Write a javascript that generates a random number between 1 and 6. It uses that random number in a `document.write` to write a header of that size (e.g., `<h1>`,`<h2>`, etc.)
7. Write a javascript that generates a random number between 1 and 300 for the width. It then generates a second random number between 1 and 300 (for height). It then uses `document.write` to put an image on the web page, with the width being the random number generated for width, and the height being the random number generated for height.