

Hwk 8:

Make sure you review and understand the material covered in the powerpoints in class.

Hints for problems encountered:

- a. If nothing is working, there's probably a typo you'll have to find.
 - i. Look for capital letters where there should be a small one, and vice versa
 - ii. Look for missing " " (if you open it, you must close it)
 - iii. Same with { and }
 - iv. Same with (and) – for every one of the first, you must have one of the second.
- b. Finally, make sure your html is valid (again, if you opened a tag, you should close it)

Complete the following exercises:

1. Write a web page (or add a script to the current web page) with a script that contains an array of insulting sentences. Now generate a random number between 0 and the length of the array. Use the confirm box to ask, "Want to know what I think?" If the user clicks "ok", use document.write to write out the insult in the array corresponding with the random number. If the user clicks "cancel", use document.write to say, "Honestly, I like you."
2. Add an image to the current web page with html, with the width and height set appropriately. Create a script with a prompt, "Do you want to see a cat or a dog?" (You can pick the things you want to give the user a choice of seeing – it doesn't have to be a cat or a dog). Now, depending on their answer, use getElementById to change the image to a cat or a dog (or whatever you chose), along with adjusting the width and height to be appropriate to the new image.
3. Make sure your current web page contains a paragraph. Then write a script that uses a prompt to ask, "What would you like the world to know?" Whatever the user types in should then be what the paragraph's text is changed to.
4. Write a web page with an image on it (or alter the current web page so that it contains an image.) Then write a script that contains an array of pictures. Create a second array with appropriate alt tag sayings corresponding to the images in the first array (e.g., if firstarray[1]="zombies.jpg", secondarray[1] should be set to "a picture of a bunch of zombies searching for brains". Now, inside the script, generate a random number between 0 and the length of the array. Use getElementById to change the web page's image to show the picture at the random number in the array, and change the alt tag of the image as well (you check this by running your pointer over the image – it should show up.)
5. Write a web page with a paragraph (or alter the current web page so that it contains a paragraph). Now write a javascript that prompts the user, "What is your income?" If the user answers with a number less than 20000, use getElementById to change the paragraph to, "Sorry, you do not qualify."

Otherwise, if the salary is under 50000, prompt the user with, "How long have you been employed?" If the user answers with a number less than 5, write to the paragraph, "You qualify, and your interest rate will be 7.5%." Otherwise if the number is less than 10, change the paragraph to, "You qualify, and your interest rate will be 6.5%". Otherwise, change the paragraph to, "You qualify, and the interest rate will be 5.5%."

Otherwise, if the salary is 50000 or over, use the confirm button to ask the user, "Have you been employed for over 7 years?" If the user hits the okay button, change the paragraph to, "You qualify, and your interest rate is 4%". If the user hits the cancel button, change the paragraph to, "You qualify, and your interest rate is 5%."

6. Go back. For each script, add comments describing what you are doing (The kind of comment you want to include are notes to yourself and to the TA describing what your code is doing (in English) so your code is easier to read – I'm not as concerned with what you write at this point so much as that you get used to leaving notes about what you're trying to do with your code).