

Lab 1: Review about HTML, CSS, Javascript

Guide:

1. <https://www.w3schools.com/html/default.asp>
2. <https://www.tutorialspoint.com/html/index.htm>
3. https://developer.mozilla.org/en-US/docs/Learn/Getting_started_with_the_web
4. Robbins, Jennifer Niederst. **Learning web design: A beginner's guide to HTML, CSS, JavaScript, and web graphics.** " O'Reilly Media, Inc.", 2012.

Exercise #1:

Create a page that looks like this, using CSS styles:

X-241 Dog Robot

Overview

The X-241 is the perfect canine pal for the busy billionaire.

Details

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam scelerisque bibendum nibh, et pellentesque elit placerat at. Proin vel enim orci, a fermentum lectus. Aenean posuere adipiscing mauris volutpat volutpat.

Warnings

- Do not immerse in water.
- Do not eat.
- Does not exist.

Exercise #2:

Create a page that looks like this, using CSS styles:

Cats and Dogs

I have a cat, and am thinking of getting a dog. Will they fight?

The idea that dogs hate cats may have been born because dogs chase cats and grew because cartoons depicted ongoing battles between the two species. Or it may have been generated because some dog people strongly dislike cats and some cat people disdain dogs. However, dogs and cats can live peaceably as long as owners understand the behaviors of each.

In some cases, a resident cat will isolate itself when a puppy is added to the family. In other cases, cats and dogs never get used to each other. In still other cases, cat or kitten and dog or puppy play together and build a friendship that finds them curled up together in a crate or bed and drinking out of the same bowl. The type of relationship developed in each household depends on the personality of the animals and the understanding of the owners.

[From Dog Owner's Guide: Fighting furry furries? (www.canismajor.com/dog/furfury.html)]

Exercise #3:

Create a page that looks like this, using CSS styles:

Metaphor

A metaphor is a mapping from one domain to another. For example, moo is to cow as beep is to car. These mappings get so buried in our language that we don't even notice their effects.

For example, take the language used to describe a debate:

"He shot down her ideas."

"She defended her position."

"She overwhelmed his arguments."

"He had to retreat from that position."

These are all debate-as-war metaphors. It's a zero sum game. Someone wins and someone loses. The idea that both people could learn from each other just doesn't come up.

Exercise #4:

Create a page that looks like this, using CSS styles:

Bar Jokes

The grasshopper

A grasshopper hopped into a bar.

Bartender: Hey, we have a drink named after you.

Grasshopper: You have a drink named *Bob*?

Walking into a bar

Two guys are walking down the street one Saturday night.

One walks into a bar.

The other one ducks.

Exercise #5:

Create a page that looks like this, using CSS styles:

Studying Advice

Much of the advice people give about studying is wrong.

Always study in the same place?

Wrong!

Study one topic intensively before going on to the next?

Wrong!

Here are some study tips that are based on **actual research**.

From *Forget What You Know About Good Study Habits*, by Benedict Carey, published in the *New York Times* on September 6, 2010.

Alternate study environments

Study in the library, in the coffee shop, in your room, ... Varying the place you study helps you remember more.

Mix content

Study a bit of this, a bit of that, some this again, some of the other. Switching content helps you remember more.

Space study sessions

Three one-hour sessions is more effective than one three-hour session.

Self-testing

Test yourself, or have a buddy do it. It helps you know how well you know.

CoreDogs is good at this. That's what the review system is for.

Exercise #6:

Create a page that looks like this, using CSS styles:

Friendly formulas

Your friend, the parabola

$$y = ax^2 + bx + c$$

A normally distributed variable

$$x \sim N(\mu, \sigma)$$

Exercise #7:

Create a page that looks like this, using CSS styles:

Text shadow

The Shadow knows!

The Shadow knows!

The Shadow knows!

The Shadow knows!

Exercise #8:

Create a page that looks like this, using CSS styles:

User Form	
Enter Name	<input type="text"/>
Enter Password	<input type="password"/>
Enter Address	<input type="text"/>
Select Game	<input type="checkbox"/> Hockey <input type="checkbox"/> Football <input type="checkbox"/> Badminton <input type="checkbox"/> Cricket <input type="checkbox"/> volleyball
Gender	<input type="radio"/> Male <input type="radio"/> Female
Select ur age	<input type="text" value="select"/>
<input type="button" value="Choose File"/> <input type="text" value="No file chosen"/>	
<input type="button" value="Click Me"/>	<input type="button" value="Reset"/> <input type="button" value="Submit Form"/>

Exercise #9:

Create a page that looks like this, using CSS styles:

Sign Up	
First Name	<input type="text" value="Enter First Name"/>
Last Name	<input type="text" value="Enter Last Name"/>
Date of Birth	<input type="text" value="Date"/> <input type="text" value="Month"/> <input type="text" value="Year"/>
Gender	<input type="radio"/> Male <input type="radio"/> Female
Country	<input type="text" value="Country"/>
E-mail	<input type="text" value="Enter E-mail"/>
Phone	<input type="text" value="Enter Phone"/>
Password	<input type="password"/>
Confirm Password	<input type="password"/>
<input type="checkbox"/> I Agree to the Terms of use	
<input type="button" value="Submit"/> <input type="button" value="Cancel"/>	