

## Exercise Lab – Core HTML:

### Goal:

Learning to create and add and html content.

### Instructions:

- 1- Create a folder and go to folder
- 2- Create index.html
- 3- Insert a boilerplate that will create some basic syntax including
  - a. Every HTML document that we write should declare its doctype on its top line:  
**<!DOCTYPE html>**
    - i. Question 1: Based on a web search but in your own words, describe what purpose the doctype line has.
    - ii. Question 2: What happens when you omit the doctype? What is the name of the mode that the browser enters? (It starts with a Q.)
  - b. Every HTML document represents a hierarchy or tree of content. Unlike our family tree, which had two sets of grandparents at its top, HTML documents have only one root element. This root is the **html** element.
  - c. Not all content in our information hierarchy is meant for a human client to see. Such information is meta—it is information about the core information in our document. One piece of meta information is the title of our document.
    - i. Meta information goes inside an element named **head**.
  - d. **head** is to meta information as **body** is to content consumable by humans.

Think of your document as if were structured in an outline like:

```
1. Lab 2
  A. Partners
    i. Partner X
    ii. Partner Y
  B. Second section
    i. First subsection
    ii. Second subsection
    iii. Third subsection
    iv. Fourth subsection
  C. Answers
```

In a document showing only one article or section, there should only be one h1 element. If its content has sections, label them with h2 elements. If the h2 content has sections, label them with h3 elements. And so on. Bless your heart if you have to reach all the way to h6.

- 4- Add an h2 element for the Partners section. Do not include the A.. Header tags don't actually enumerate the sections; the outline is only a notion we hold about the structure of the document. We will see other HTML elements for outlining information. Add h3 elements for Partner X and Partner Y. Provide paragraphs containing your first names and last initials as the content after each of these two h3s.
- 5- Add **h2** and **h3** elements for the second section. Include a paragraph of random text after each h2 and h3.
- 6- Sometimes our information is bundled together in a tight sequence. A recipe, for example, has an ordered list of steps. A manifesto may have a list of grievances (along with rambling language). A staff directory will have a list of employees.
- 7- You have an ordered list of answers. Let's structure them using an ordered list or **ol** element. Surround the entire list with opening and closing **ol** tags.
- 8- In addition to the overarching **ol**, we need to embed each list item in an **li** tag. Add seven such elements around your seven answers. Clean up the spacing so that your structure is neatly organized. Your end result should look something like this:

```
<ol>
  <li>Item 1</li>
  <li>Item 2</li>
  <li>Item 3</li>
</ol>
```

- 9- Sometimes the order of information doesn't matter. We can use an unordered list in those situations. The HTML representation of unordered lists is nearly identical to ordered lists, except we use the **ul** tag instead of **ol**.
- 10- Switch the content after Partners to use an unordered list instead of two **h3**s. Make each partner a list item. Order doesn't matter here.

#### Challenge 1:

Now your task is to apply the elements that you've just met by reverse engineering some renderings into their original HTML structures. In all your solutions, take care to keep your HTML cleanly formatted. Elements at the same depth should appear at the same indentation.

Your first task is to turn the text

```
Kringla
Ingredients
1 1/2 cups white sugar
1 egg
2 1/2 cups sour cream
4 cups all-purpose flour
2 teaspoons baking soda
1/4 teaspoon salt
Directions
Preheat oven to 350 degrees F (175 degrees C). Lightly grease or line baking sheets
with parchment paper.
```

Combine the sugar, beaten egg and sour cream together. Mix in the flour, baking soda and salt. Blend thoroughly.  
Divide dough in half and form each half into a long roll. (Note: If your kitchen is warm, keep the half of dough you're not working with in the refrigerator.)  
Cut off a narrow slice of dough. Roll lightly with hands on lightly floured board into pencil-like strip about 7 inches long. Form into a figure "8", and pinch ends together. Place on cookie sheet. Repeat with remaining dough.

Bake at 350 degrees F (175 degrees C) for 12 to 15 minutes.

Into

## Kringla

### Ingredients

- 1 1/2 cups white sugar
- 1 egg
- 2 1/2 cups sour cream
- 4 cups all-purpose flour
- 2 teaspoons baking soda
- 1/4 teaspoon salt

### Directions

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4. Cut off a narrow slice of dough. Roll lightly with hands on lightly floured board into pencil-like strip about 7 inches long. Form into a figure "8" , and pinch ends together. Place on cookie sheet. Repeat with remaining dough.
5. Bake at 350 degrees F (175 degrees C) for 12 to 15 minutes.

Write your HTML in a file named **recipe.html**.

Challenge 2:

Your second task is to turn the text:

My Home Directory

Desktop  
virus.exe  
verizon.pdf  
appeal.docx  
Photos  
supermoon.png  
rainbow.jpg  
Downloads  
cats.mp4  
brackets.zip

Into

## My Home Directory

- Desktop
  - virus.exe
  - verizon.pdf
  - appeal.docx
- Photos
  - supermoon.png
  - rainbow.jpg
- Downloads
  - cats.mp4
  - brackets.zip

Write your HTML in a file named directory.html. Bear in mind that list elements can nest. That is, you can have an inner ol or ul inside the li of an outer list.

### Challenge 3:

Your third task is to turn the text

Travel can be stressful, for a lot of reasons. But some stress can be preempted. Whenever you leave the house for more than a few days, you should do these things:  
Turn off the water to all toilets. You never know what they'll do while you're gone.  
Keep your toothbrush and toothpaste in your carry-on. If your suitcase gets lost, your mouth feels it first.  
Get a dragon sitter. Your pet may seem aloof when you're around, but the minute you leave, it will start crying, loudly.  
If you have any ideas you'd like to add to this list, share them in the comments section below!  
Oh, and did I mention I'm for hire?

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