# FASE consolidation track for HTML and CSS

## Introduction

The purpose of a consolidation track is to simplify the entire process of the delivery of complex material in the learning phase by articulating it as an iterative process.

This is done to facilitate :

Practice

Knowledge Check

And rationalisation

## Exercise outline

In this series of exercises you will build out and style a simple blog page. You will focus on building out the structural components and semantic elements.

Your build will use HTML5 elements and implement some of the fundamental ones that you have covered during the first few days.

I have provided example pages for each step but try to do them each first before you check your work against the example. This is iterative, one thing is built off another. Good luck

### 1. Basic HTML Structure

Exercise: Create a simple HTML page with a title, headings, and paragraphs

* In your workfolder (the one you pulled from git) open it in vscode
* Add a folder to house your work
* Create a html document (HTML5)
* Add a head and body element
* In the head element add a title “My Blog”
* In the Body Add a Heading with the content “Welcome to my blog”
* Add a sub heading for “Latest Post”
* Add a Paragraph Introducing your blog

### 2. HTML5 Semantic Elements

Exercise: Expand the previous page by incorporating header, nav, main, and footer elements.

* Add a <header> element, in that add a<nav> element and using an unordered list with three links for “Home”, “About”, and “Contact”, remember that you haven’t created other pages, so these are placeholders and href should point to #
* Create a <main> element which should contain your latest post title and paragraph.
* Add a footer element and in it put a copyright symbol with the date and words “All rights reserved”

### 3. Articles and Sections

Exercise: Add two articles within the main content, each with two sections

* Under your Latest Posts heading add two <article> elements (posts).
* Each article should contain a title for the post, followed by two <section> elements, the first having a title of “Introduction” and a paragraph introducing the post, the second section having a title of “Main content”, and a paragraph for the actual content.

### 4. Images and Links

Exercise: Include images and hyperlinks in your articles.

* In both of your articles, add < image > elements underneath the title and refer it to any image you like.
* In both of your articles in the main content area add hyperlinks to other pages (this would be a link to something interesting and relevant to the content you have written in that particular blog post) Try and make htem open in a new page

### 5. Aside Element

Exercise: Add an aside element with related content.

* Under the main element Add an <aside> element and in it:
  + A heading for “About me” and a paragraph about you
  + A Heading for “Recent Posts” followed by an unordered list that would contain references to those posts, for now just put two <li> elements containing <a> tags pointing to # and with content like, “my first post” and “my second post”. If you are feeling confident then use anchors to the two posts you have made already.
  + Add another heading for “Categories”
  + In a <ul> add three <li> elements for “Technology”, “Travel”, “Food” all pointing to #

### 6. Forms

Exercise: Create a comment form for the blog posts.

* Under the last section (Main content section) Add a new section for taking comments
* Give it a heading “comments”
* Add a <form> element with a post method.
* Inside the form, create some elements to take the data and submit the form:
  + Add a <dev> element for name input, add a <label> element with Name as the content, add an <input> element of type text and id=name and make it required
  + As a sibling add another <div> for Email, implement it accordingly
  + Add another sibling <div> for the comment itself, implement as you have the others
  + Add a final <div> as a sibling for a button of type submit, with the content “submit”

At this point, your functional elements, with consideration to the location of content relative to it’s semantic intent (as simple as that is in this case)

## Phase 2 is to style this

### 8. Introduction to CSS

Exercise: Create a separate CSS file and link it to your HTML. Set a background color and change the text color.

* Style the body:
  + font-family Arial, sans-serif
  + line-height 1.6
  + color #333
  + background-color #f4f4f4
  + margin 0
  + padding 0
* the header, main, aside, and footer should all have
  + padding 20px
* the header should have:
  + background-color #35424a
  + color white
* the footer should have:
  + background-color #35424a
  + color white
  + text-align center

9. Typography Styling

Having styed the main elements, it’s time to work on the typography

Exercise: Style the typography of your blog, including font families, sizes, and line heights.

* ll headings should be font-family Georgia, serif
* h1 – 2.5em
* h2 – 2 em
* h3 – 1.5em
* h4 – 1.2em
* paragraphs should have a margin on the bottom 15px
* any anchor tags <a> should be red and have no underscore unless the mouse is hovering over them

10. Layout with CSS

Exercise: Use CSS to create a two-column layout for your main content and aside.

In this exercise apply the following styling:

* any container objects:
  + should be set to a width of 80%
  + Auto margin
  + Any overflow hidden

11. Navigation Styling

Exercise: Style your navigation menu, including hover effects.

Nay Nav elements:

* Any in a container like ul – the ul should have no padding and a list-style of none
* Any li items used for navigation should be display inline and have a margin on the right of 20px

12. Responsive Design

Exercise: Make your blog responsive using media queries.

Would you like me to provide more detailed instructions for any of these exercises? I can create an artifact with the HTML structure for the blog if that would be helpful.