

# **Web Development**

## **from Beginner to**

## **Paid Professional**

Coding Challenges & Solutions

The smartest way to learn html and css

By

*Ojula Technology Innovations*

**Web Development**  
**from Beginner to Paid Professional**  
Coding Challenges and Solutions  
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## Introduction

“You don’t learn to walk by following rules. You learn by doing, and by falling over.” - Richard Branson.

The sets of coding challenges in this book will help you get the hang of HTML and CSS in less time than you might expect, and the knowledge will stick. You’ll catch onto concepts quickly. You’ll be less bored, and might even be excited. You’ll certainly be motivated. You’ll feel confident instead of frustrated. You’ll remember the lessons you learned in *Web Development from Beginner to Paid Professional*, long after you close the book. This book is regularly updated with the latest coding challenges and solutions.

Cognitive research shows that reading alone doesn’t buy you much long-term retention. Even if you read a book a second or even a third time, things won’t improve much, according to research.

Forget highlighting or underlining. Marking up a book gives us the illusion that we’re engaging with the material, but studies show that it’s an exercise in self-deception. It doesn’t matter how much yellow you paint on the pages, or how many times you review the highlighted material. By the time you get to Chapter 50, you’ll have forgotten most of what you highlighted in Chapter 1.

This all changes if you read less and do more—if you read a short passage and then immediately put it into practice. Washington University researchers say that being asked to retrieve information increases long-term retention by four hundred percent. That may seem implausible, but by the time you finish this book, I think you’ll believe it.

Practice also makes learning more interesting. Trying to absorb long passages of technical material puts you to sleep and kills your motivation. Ten minutes of reading followed by twenty minutes of challenging practice keeps you awake and spurs you on, and it keeps you honest.

If you only read, it’s easy to kid yourself that you’re learning more than you are. But when you’re challenged to produce the goods, there’s a moment of truth. You know that you know—or that you don’t. When you find out that you’re a little shaky on this point or that, you can review the material, then re-do the exercise. That’s all it takes to master a HTML and CSS book from beginning to end.

I’ve talked with many readers who say they thought they had a problem understanding technical concepts. But what looked like a comprehension problem was really a retention problem. If you get to Chapter 50 and everything you studied in Chapter 1 has faded from memory, how can you understand Chapter 50, which depends on your knowing Chapter 1 cold?

The read-then-practice approach embeds the concepts of each chapter in your long-term memory, so you’re prepared to tackle material in later chapters that builds on top of those

concepts. When you're able to remember what you read, you'll find that you learn HTML and CSS quite readily.

## Before You Begin

There are at least 50 questions in each set of challenges in this book. Write your answers or solutions to each set of challenges in a clean notepad or your favorite text editor, such as Visual Studio Code. Then compare your answers with mine and score yourself. There's no time limit for these challenges. Just take your time.

If some of your answers are incorrect, it's nothing to worry about. You can always go back to them later and try again. You'll really learn when you try, try again, and sometimes the third time's the charm. If a question is too easy for you to bother with, just skip it. Boredom is not part of the curriculum here.

**Although the solution to every challenge is provided in this book, feel free to cross-check on your browser as well. I highly recommend using the Google Chrome browser.**

## Question Set 1

1. The file that creates a webpage is made up of nothing but \_\_\_\_\_. Answer with one word.

[View answer.](#)

2. When you name the file that creates a webpage, what are the last 5 characters of the filename?

[View answer.](#)

3. When you name a file that creates *styles* for a webpage, what are the last 4 characters of the filename? [View answer.](#)

4. What type of program—Chrome, Firefox, Internet Explorer, and Safari are examples—  
assembles a webpage from HTML and CSS files? Answer with one word. [View answer.](#)

5. You can see the name of a webpage's HTML file in the browser's \_\_\_\_\_ (2 words).

[View answer.](#)

6. If the following URL appears in the browser's address bar, what is the name of the file that  
most likely created the page? <https://www.ojulaweb.com>. [View answer.](#)

7. Typically, an HTML file is stored on the web host's \_\_\_\_\_ (1 word). [View answer.](#)

8. What portion of the following URL is the file name? <https://www.ojulaweb.com/html-css/1.html>. [View answer.](#)

9. In one word, what is this? <p>. [View answer.](#)

10. If <p> is the opening tag, what is the closing tag? [View answer.](#)

11. What are the two characters that begin and end all HTML tags? [View answer.](#)

12. Code 2 paragraphs with the following markups only:

- I am the first paragraph
- I am the second paragraph
- </p>
- <p>
- <p>
- </p>

[View answer.](#)

13. What is missing in this markup? (two words) <p>This.</p><p>That.</p>. [View answer.](#)

14. Use only html tags to print the following paragraph exactly as written below. It is a  
description of a book. Author names and titles should be underlined, and adjectives should be

italicized and bolded exactly as shown:

One particular book which is recommended reading is The Street Lawyer by John Grisham. This book is about a lawyer who begins re-evaluating his priorities in life when a bad incident occurs within his law firm. Consequently, he becomes acquainted with the inner city streets, and realizes the harsh existence of the homeless, and vows to give them a chance in the courts. The Street Lawyer is a **great** book. It is **well written** and **interesting**. Other books by John Grisham include The Firm, The Pelican Brief, and The Client.

[View answer.](#)

15. <h3> is a tag for a \_\_\_\_\_. [View answer.](#)

16. How many standard sizes of headings are there? Answer with a numeral. [View answer.](#)

17. What is the opening tag for the smallest heading? [View answer.](#)

18. There's one type of heading that should be only one-to-a-page. Type its opening tag. [View answer.](#)

19. What are the last 4 characters of a file that contains nothing but statements like this?

```
p {  
    font-family: "Times New Roman", Times, serif;  
}
```

[View answer.](#)

20. Type the first 3 characters of CSS code that specifies styling for paragraphs. [View answer.](#)

21. Type the first four characters of CSS code that specifies styling for the smallest heading. [View answer.](#)

22. Fill in the blank in this CSS code snippet.

```
_____ "Trebuchet MS", Helvetica, sans-serif;
```

[View answer.](#)

23. Use these pieces of code to style a paragraph. Tahoma is the first font in the stack.

```
Tahoma p : } font-family { Geneva , , sans-serif ;
```

[View answer.](#)

24. Style the largest heading using this font stack: Arial, Helvetica, sans-serif. [View answer.](#)

25. Write all three lines of styling code for the second-largest heading that specify Verdana, Geneva, and sans-serif as the font stack. [View answer.](#)

26. The link to the CSS file goes in which section of the HTML file? The answer is 4 characters long. [View answer.](#)

27. Use these pieces of code to form a CSS link code.

```
stylesheet = styles text / href " type . link css " css > css " rel "
/ = < " " "
```

[View answer.](#)

## How to Improve your Web Development Skills

This book is just a sample. You'll be able to practice a lot of stuff in the complete book as far as web development is concerned. But this is not the end. In my book series, *Web Development from Beginner to Paid Professional*, you'll learn great lessons on HTML5, CSS (including CSS frameworks like Bootstrap), Javascript, and so much more!

The great thing about web development is that it's very suitable for people coming from many different backgrounds. So, it doesn't matter if you have little or no technical experience, or if you do have a technical background and you're looking to transition your skill sets into the web development.

Whatever background you're coming from, my book series is all you need. If you've not read it, please order it as soon and continue learning. Everything you need is in this series.

You're not in this alone because I'm going to help you through it. So, we're in this together. My support link is at the end of this book for you to contact me any time if you need further help.

## How to Get Further Help

If you need clarification about something in this book, or if you just want to share your challenge with me, please contact me through my email below. I'll get back to you in less than 24 hours. I promise.

Cheers,

**Ojula Technology Innovations**

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[Ojulaweb.com](http://Ojulaweb.com)

## **More Helpful Resources**

Below is a list of a few other books that I believe you'll find very helpful.

- 1. AWS Certified Cloud Practitioner Exam Success Guide 1:** Prepare for CLF-C01 Exam with quizzes, assessment tests, cheat sheets, hands-on lessons and practice exams to build real-life experiences.
- 2. AWS Certified Cloud Practitioner Exam Success Guide 2:** Prepare for CLF-C01 Exam with quizzes, assessment tests, cheat sheets, hands-on lessons and practice exams to build real-life experiences.
- 3. Windows 11: The Good, The Bad & The Ugly.**
- 4. Canada Immigration Success Guide:** A Quick Do-it-yourself Canada Permanent Residence, Job Domination, Visa, Work & Study Permit Step by Step Guide.
- 5. The Dark Web: The Unseen Side of the Internet**
- 6. Evil of Dark Web: The Untold Horror Stories**