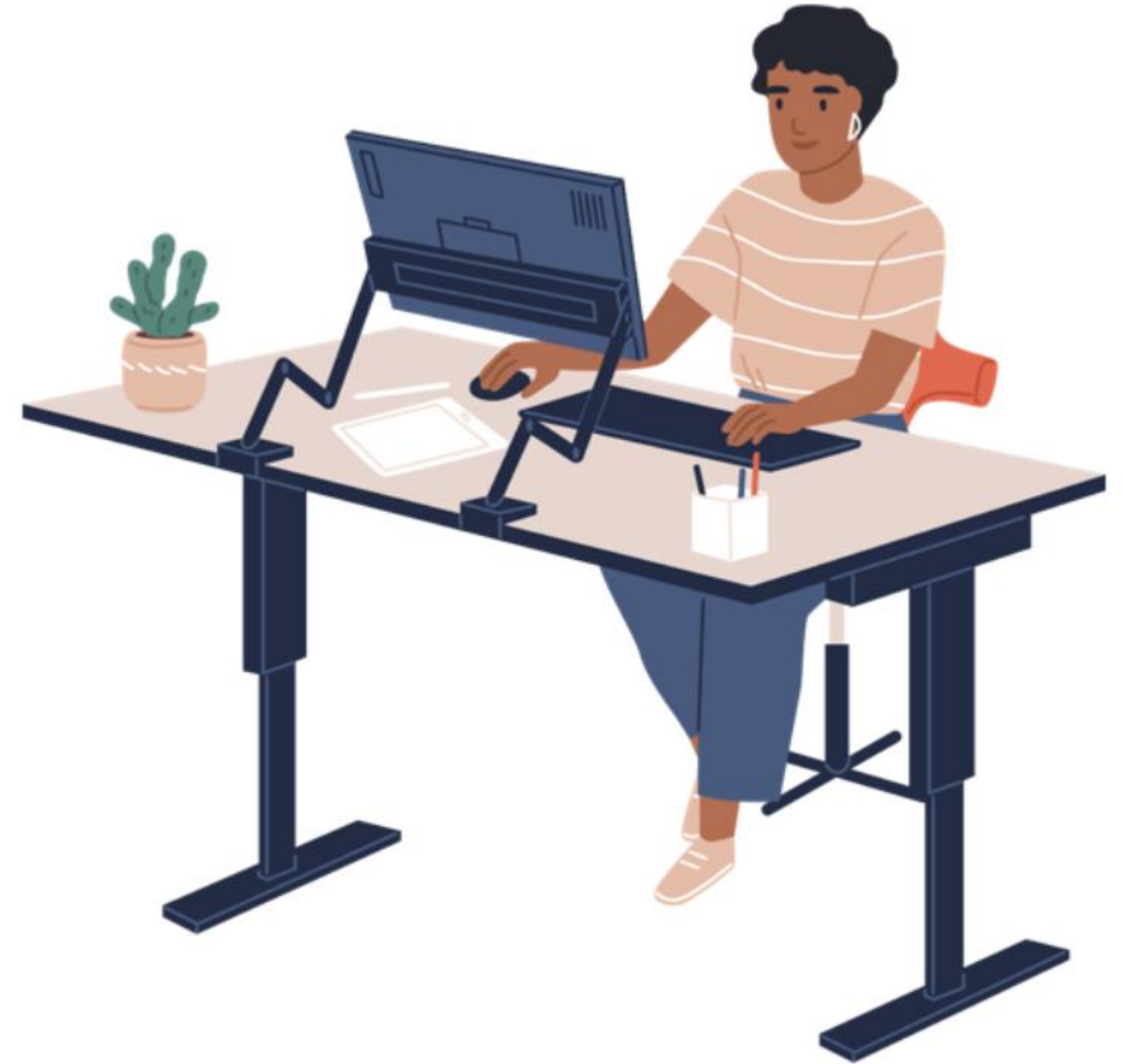


Learning Consolidation

Develop a Web Page Using HTML5





In this sprint, you learned to:

- Explain the anatomy of an HTML document and identify the various HTML elements
- Create a web page using HTML5 elements
 - Heading
 - Paragraph
 - Image
 - Anchor
 - List
- Install a live server to deliver web pages
- Use Emmet Tool Kit and a multi-cursor feature in VS Code

HTML

- Hyper Text Markup Language is the basic building block of a web document.
- It is a standard markup language used to display documents on web browsers.
- Hyper Text is the ability to make hyperlinks that links to contents.
- It comprises of HTML elements that instruct a web browser to display content on a web page.



HTML Document

- `<!DOCTYPE html>` is a required preamble in any HTML5 document.
- `<html>` is the root element.
- `<head>` acts as a container and has all meta-information about the web page.
- `<title>` appears in favorite lists, history lists, and bookmark lists to identify the page.
- `<body>` contains all the content that is visible to the web users.

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <title>My test page</title>
</head>
<body>
    
</body>
</html>
```

HTML Element

- An HTML element enclosed in brackets `<>` is called a **Tag**.
- The element's name inside a tag is case insensitive.
- The opening and closing tag, and the content together comprise the HTML element.
- It can also have attributes that contain extra information to control the behavior of it.
- Elements inside other elements are called **Nesting** elements.
- Elements with no content are called **Empty** elements.



Essential HTML Elements

Element Types	Tags
Paragraphs	<code><p>..</p></code>
Headings	<code><h1>..</h1></code> to <code><h6>..</h6></code>
Lists	<code>..</code> , <code>..</code> and <code><dl>..</dl></code>
Links	<code>..</code>
Images	<code></code>

Emmet Toolkit

- It is an essential tool kit for web developers to enhance productivity by generating HTML and CSS code.
- Emmet uses abbreviations, which are special expressions parsed in runtime and transformed into structured code; for example, HTML
- Support for Emmet snippets and expansion is built right into the Visual Studio Code, no extension is required.

VS Code Multi-Cursor Feature

Keyboard shortcuts:

Multi-cursor feature	Adding multi-cursor below/above	Adding multi-cursor to the next occurrence	Adding multi-cursor to all the occurrences
VS Code editor	CTRL+ ALT+ up/down	CTRL+D	CTRL+SHIFT+L

Self-Check

Which one of the following is the correct way of creating a hyperlink in HTML?

- A. ``
- B. `Gmail`
- C. ` Gmail`
- D. ` Gmail`



Self-Check: Solution

Which one of the following is the correct way of creating a hyperlink in HTML?

- A. ``
- B. `Gmail`
- C. ` Gmail`
- D. ` Gmail`

Explanation: Option A is incorrect because of the syntax error while closing the tag. Options C and D are incorrect because link and src are not the correct attributes.



Self-Check

Which one of the following attributes is used to open a hyperlink in a new tab?

- A. tab
- B. target
- C. href
- D. ref



Self-Check: Solution

Which one of the following attributes is used to open a hyperlink in a new tab?

- A. tab
- B. **target**
- C. href
- D. ref

Explanation: Option A and D are incorrect because there is no such attribute. Option C is incorrect because the href attribute specifies the URL of the page to be navigated and is not about the browser window.



Self-Check

Is it possible to view the source code for the popular websites (for that matter, any website) that you visit often?



Self-Check: Solution 1

First way: Right click the web page -> View page source



Self-Check: Solution 2

Second Way: Right click the web page -> Inspect -> Click on ... -> Edit as HTML

