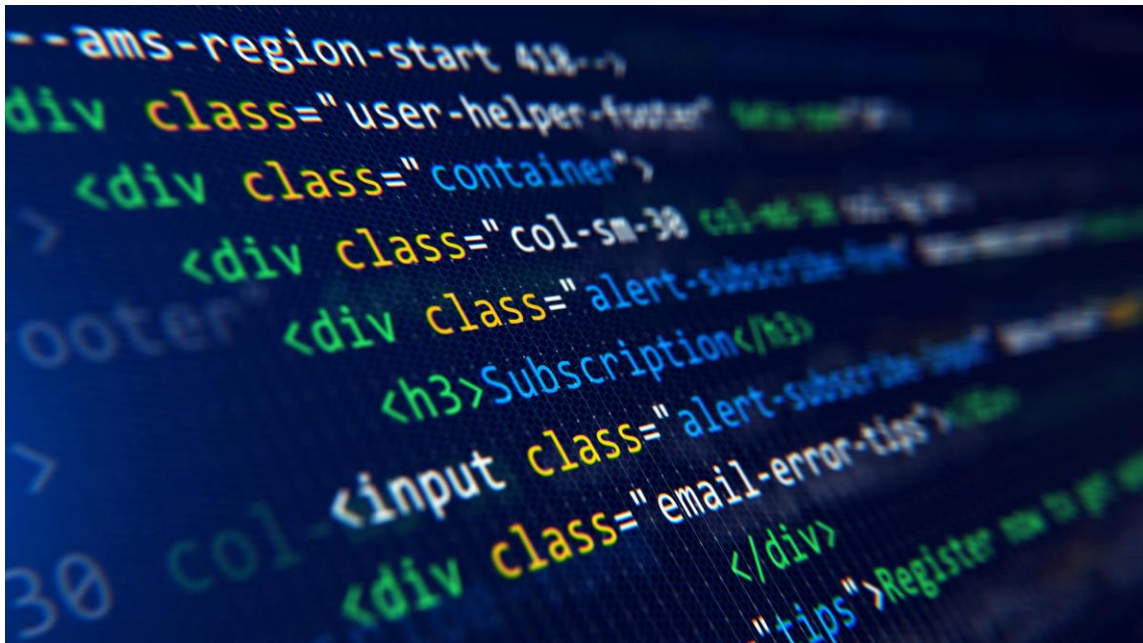


Welcome to code!

A blurred image of a computer screen displaying code. The code is in a dark-themed editor with syntax highlighting. Visible snippets include:

```
--ams-region-start 418-->  
div class="user-helper-future" ...  
  <div class="container">  
    <div class="col-sm-38 col-md-38 col-lg-38">  
      <div class="alert-subscribe-form">  
        <h3>Subscription</h3>  
        <input class="alert-subscribe-form" type="text">  
        <div class="email-error-tip">  
          "tips">Register now to get ...
```

Today we are going to learn a bit about web development. You will learn how to create a web site with HTML, how to add some style with CSS and for the bravest, how to use JS. Let's begin 😊

Getting Started: Setting Up Your Development Environment.

Before we jump into coding, you'll need to set up your development environment. Install Visual Studio Code (VS Code), a powerful code editor for writing HTML, CSS, and JavaScript. You can download it from (<https://code.visualstudio.com/>).

Creating Your First HTML Page

Now that you have VS Code installed, let's create a basic HTML page:

1. Set up the basic structure of an HTML file.
2. Add a title and a head section to your page.
3. Save the file with a ".html" extension. (ex: index.html)

```
1 <!DOCTYPE html>
2
3 <html>
4
5   <head>
6     <!-- Title -->
7     <title>Website Title Goes Here</title>
8     <!-- Meta content type -->
9     <meta charset="utf-8" />
10    <!-- Meta description -->
11    <meta name="description" content="Website desription can go here">
12    <!-- Viewport -->
13    <meta name=viewport content="width=device-width, initial-scale=1">
14  </head>
15
16  <body>
17    <!-- Content goes here... -->
18  </body>
19
20 </html>
```

This is some example of HTML tags:

Start Tag	End Tag	HTML Example	Resulting Text
<code></code>	<code></code>	Defines <code>bold</code> text.	Defines bold text.
<code><i></code>	<code></i></code>	Defines <code><i>italicized</i></code> text.	Defines <i>italicized</i> text.
<code><u></code>	<code></u></code>	Defines <code><u>underlined</u></code> text.	Defines <u>underlined</u> text.
<code><sub></code>	<code></sub></code>	Defines subscripted text (i.e. O <code><sub>2</sub></code>)	Defines subscripted text (i.e. O ₂)
<code><sup></code>	<code></sup></code>	Defines superscripted text (i.e. E=mc <code><sup>2</sup></code>)	Defines superscripted text (i.e. E = mc ²)
<code>
</code>		Defines a <code>
</code> New line	Defines a New line
<code></code>	<code></code>	<code>Change the font color</code> Note: The # provided is the RGB number for the desired font color.	Change the font color
<code></code>	<code></code>	<code></code> Bullet point list <code>Item1Item2Item3</code>	Bullet point list:
<code></code>	<code></code>	Note: The <code></code> tags indicate a bullet point list, and each list item is identified by the <code></code> tags.	<ul style="list-style-type: none"> Item1 Item2 Item3

Working with Images

Learn how to insert images into your HTML page. We'll use a random image link from: <https://picsum.photos/>

1. Insert an image tag in your HTML code using the `` element.
2. Set the image source to the random image link.

Let's see a little example of `img` ;)

```
<main>
  <div id="image-container">
    
  </div>
  <button id="load-images">Load Random Images</button>
</main>
```

Let's make everything beautiful!

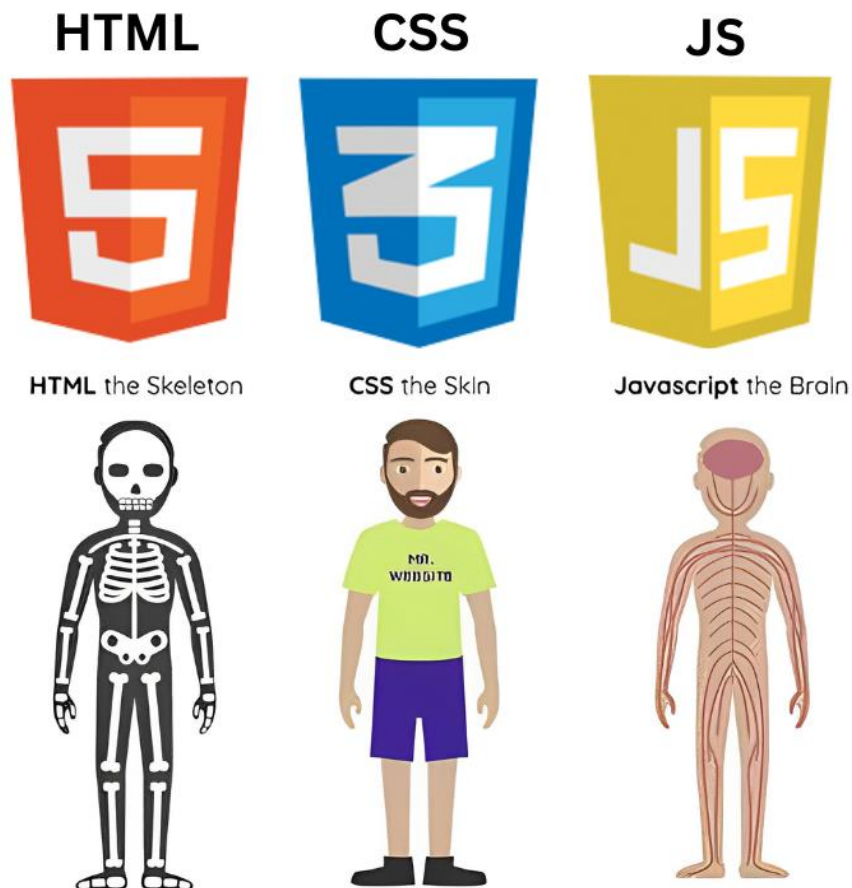
Let's make your webpage visually appealing by adding HTML and CSS:

1. Use CSS to style your page and enhance its visual appearance.
2. Explore different CSS properties to customize your page's design, such as background colors and fonts.

How to import CSS file:

```
.....<head>
.....  .....<title>My Web Page</title>
.....  .....<link rel="stylesheet" type="text/css" href="style.css">
.....</head>
```

JavaScript?



To make your page dynamic, we'll add JavaScript functionality:

1. Create a button element in your HTML code.
2. Write JavaScript code to handle the button's click event.
3. Use JavaScript to change the image source to a new random image when the button is clicked.

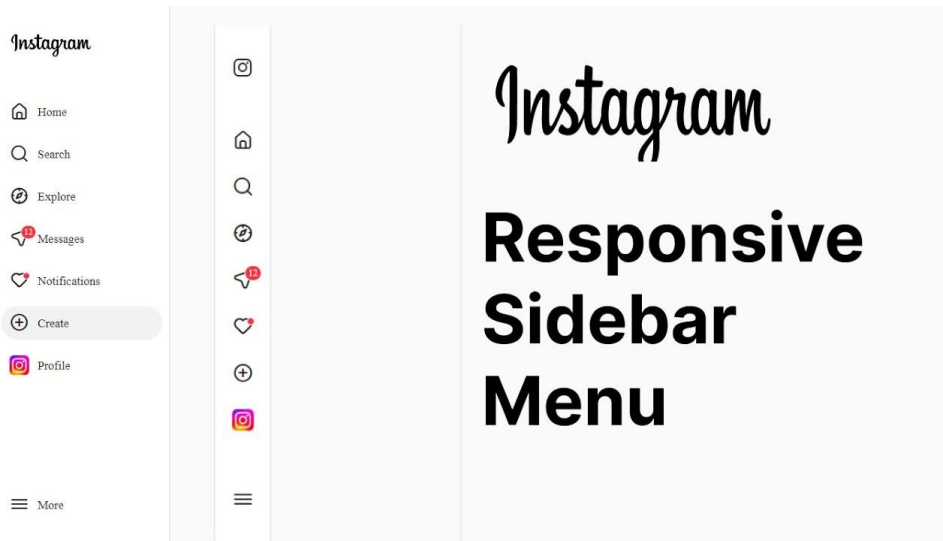
```
<p class="counter">Counter: <span id="counterValue">0</span></p>
<button onclick="incrementCounter()">Increment</button>
</main>

<script>
let counter = 0;

function incrementCounter() {
  counter++;
  document.getElementById("counterValue").textContent = counter;
}
</script>
```

Design a left panel with an interactive advertisement:

1. Use HTML and CSS to create a left panel.
2. Insert an advertisement image or banner.
3. Add a clickable link to the advertisement that redirects to a specified website.



Bonus Challenges...

1. Barbie Mode:

- Create a button in your HTML code to activate Barbie mode.
- Write CSS code to change the page's style to pink and add animations.
- Use JavaScript to toggle Barbie mode when the button is clicked.

2. Hell Mode:

- Add a button in your HTML code to activate Hell mode.
- Write CSS code to change the page's style to red and add animations.
- Use JavaScript to toggle Hell mode when the button is clicked.

Making Your Page Responsive (The most difficult part...)

Ensure your webpage looks great on all screen sizes by adding CSS media queries:

1. Add CSS media queries to adjust the layout and design for different screen sizes.
2. Test your page on various devices to ensure its responsive.

Implementing User Profile and Photo Uploads

Create a user profile page with photo upload functionality:

1. Design an upload form to allow users to upload their photos.
2. Implement JavaScript code to handle file uploads and store the photos.
3. Create a user profile page that displays the uploaded photos and user information.

Working with Cookies

Learn about cookies in web development and implement them:

1. Research and understand how cookies work on the web.
2. Write JavaScript code to set and retrieve cookies.
3. Utilize cookies to store and retrieve user preferences or session information.

Enjoy your journey into HTML, CSS, and JavaScript, and don't hesitate to ask for help or clarification along the way!