

THE DIFFERENCE BETWEEN HTML, CSS, JAVASCRIPT & PHP

CHEATSHEET

HTML

- HTML = 'Hypertext Markup Language'
- The standard markup language for building web pages
- Adds content types such as paragraphs, headings, lists, images, and more
- Not intended to add visual style to the page (though browsers do add some basic default styling)
- Comprises the content structure & skeleton

```
<p>This is an HTML paragraph.</p>
```



HTML INCLUDES THE CONTENT TO BE DISPLAYED ON THE PAGE AND DESCRIBES THE CONTENT TYPE WITH SEMANTIC TAGS

CSS

- CSS = 'Cascading Style Sheets'
- Used to target different areas of the webpage and add visual styling
- Can be included in your content in 3 ways: inline, internal, and external
- Allows you to reference and style an entire 'type' of content at once
- Can use classes and IDs to target page content

```
p {  
  color: red;  
}
```



CSS ADDS VISUAL STYLING TO THE CONTENT CONTAINED IN THE HTML MARKUP

JAVASCRIPT

- Also referred to as JS
- Adds interactivity to the page (for example, a dropdown or slide-out menu)
- Typically client-side (front end), but it is possible for JS to be server-side (back end) as well
- There are many JavaScript libraries intended to make writing JS easier, with the most popular being jQuery

```
$('.menu').on('click', function() {  
  toggleMenu();  
});
```



JAVASCRIPT ADDS INTERACTION TO THE PAGE, SUCH AS USER-TRIGGERED ANIMATIONS

PHP

- Stands for "Hypertext Preprocessor"
- Is a server-side (back end) scripting language
- PHP scripts run on the server before the page is rendered in the browser (or "client")
- PHP scripts outputs plain HTML, which is what you see on the page once it loads
- Many content management systems are PHP-based, such as WordPress

```
<?php echo "Hello"; ?>
```



PHP IS A SERVER-SIDE SCRIPTING LANGUAGE THAT OUTPUTS PLAIN HTML TO BE RENDERED ON THE PAGE



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`<p>This is an HTML paragraph.</p>`



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- [Redacted]

```
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```
<?php echo "Hello"; ?>
```



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