

# Introduction

In this lesson, we will start to understand the impact of the technologies we will learn about in this course. Let's get started!

## WE'LL COVER THE FOLLOWING

- What is HTML used for?
- What is CSS used for?
- What is JavaScript used for?
- HTML, CSS, & JS - Most popular tech of 2019?

## The Impact of HTML



## What is HTML used for? #

HTML is a standardized language for creating documents that can be rendered by clients known as web browsers. HTML is used to create web pages that we see every day on the Internet. Each page we see on the world wide web is written using a version of HTML.

The development of documents on the internet is governed by HTML and its basic concept through tags and DOM, i.e., the model of document objects.

We will learn about the various details of the technologies we will learn about in this course.

# The Impact of CSS



## What is CSS used for? #

*CSS brings style to your web pages by interacting with HTML elements.*



Elements are the specific HTML units of a web page — for example a paragraph — that could look like this in HTML:

HTML

Output

```
1 <html>
2 <head>
3 </head>
4 <body>
5   <p>This is my paragraph!</p>
6 </body>
7 </html>
```

This is my paragraph!

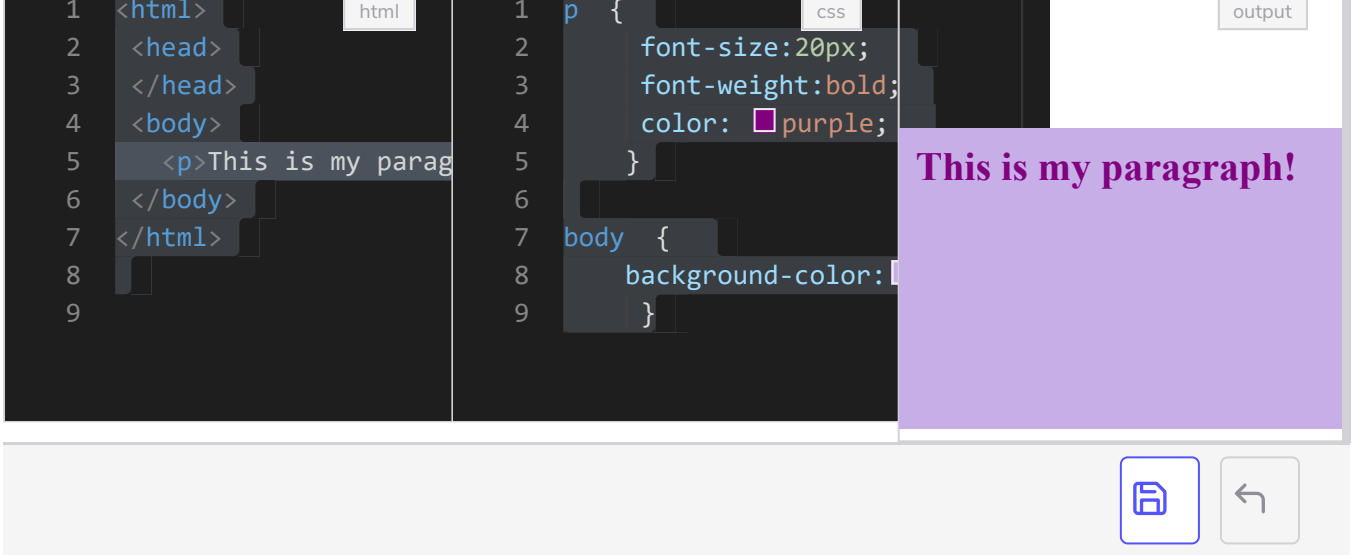


If you planned to make the above paragraph show up with a purple, 20-point, bold font and turn your page's background violet, you could use CSS code that looks like the one shown below:

HTML

CSS

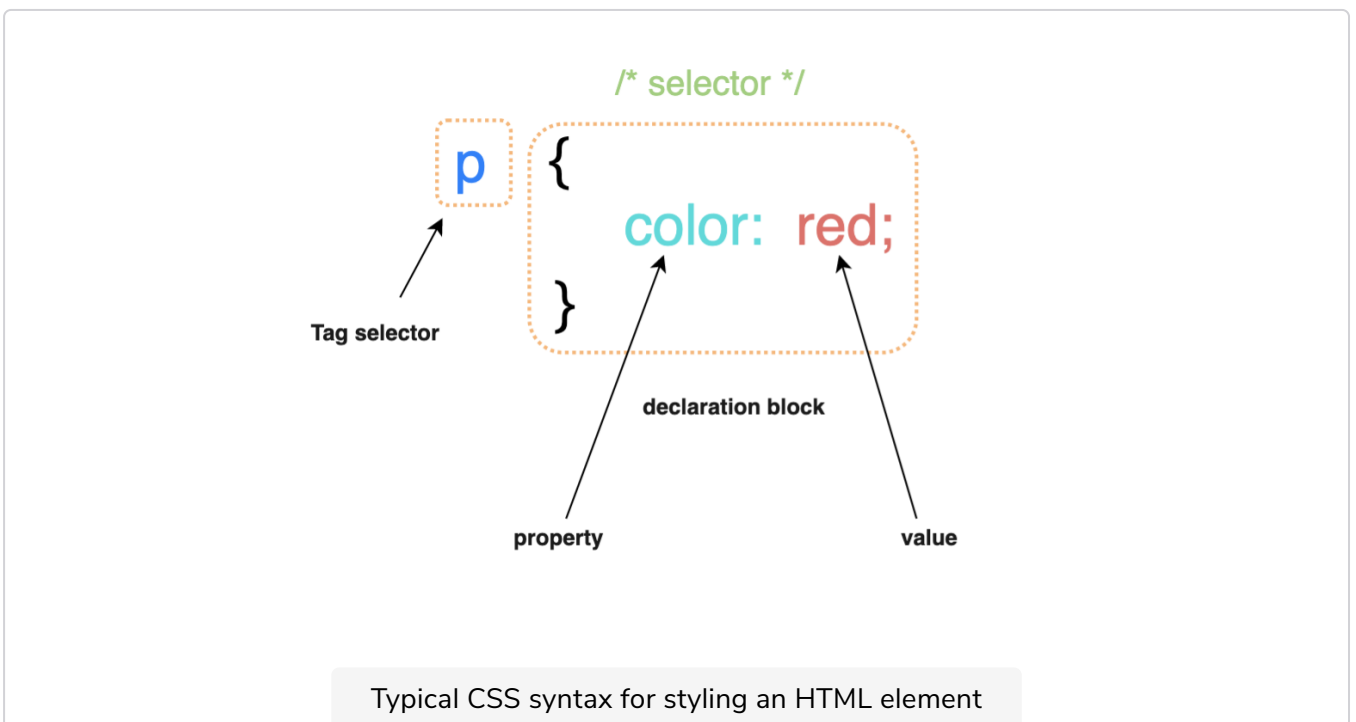
Output



In the above case, “p” (the paragraph) is called the “**selector**” that specifies which HTML element it should style. The piece of code that comes between the curly brackets, { }, is called a **declaration**.

This constitutes properties and values that are applied to the selector. **Properties** are things like color, font size, and margins. **Values** are the settings specified for each property.

The illustration below demonstrates this concept:



You will learn all this and more in great detail throughout this course.

# The Impact of JavaScript



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*You don't need JavaScript to create a website; but without it, the internet would just be static information on pages- no user interactivity, and a lot of reloading to retrieve new information.*

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## What is JavaScript used for? #

JavaScript is used to write programs that govern the HTML and CSS. HTML and CSS are static and immutable on their own, but JavaScript can put them into action! It can make other content blocks appear or vanish, or it can make existing features look entirely unique with its almost infinite range of features. In other words,

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*JavaScript enables interactivity on websites and gives them a life.*

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JavaScript is a programming language based on a logic that can be used to alter the content of the website and make it behave in different ways in response to the actions of a user. Common uses for JavaScript include authentication boxes, calls-to-action, and the addition of new identities to existing data.

In summary, JavaScript is a programming language that helps the design of interactive sites by web developers. Most of the complex behavior that you see

on a web page is due to JavaScript, which improves the default controls and behaviors of a browser.

## HTML, CSS, & JS - Most popular tech of 2019? #

The graph on the right shows the extent of popularity of these three technologies amongst developers and programmers. According to the [2019 stackoverflow survey](#), JS, CSS, and HTML are top ranked amongst programming languages in terms of popularity.

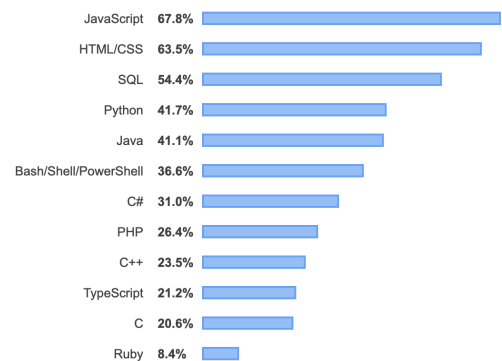


### Most Popular Technologies

#### Programming, Scripting, and Markup Languages

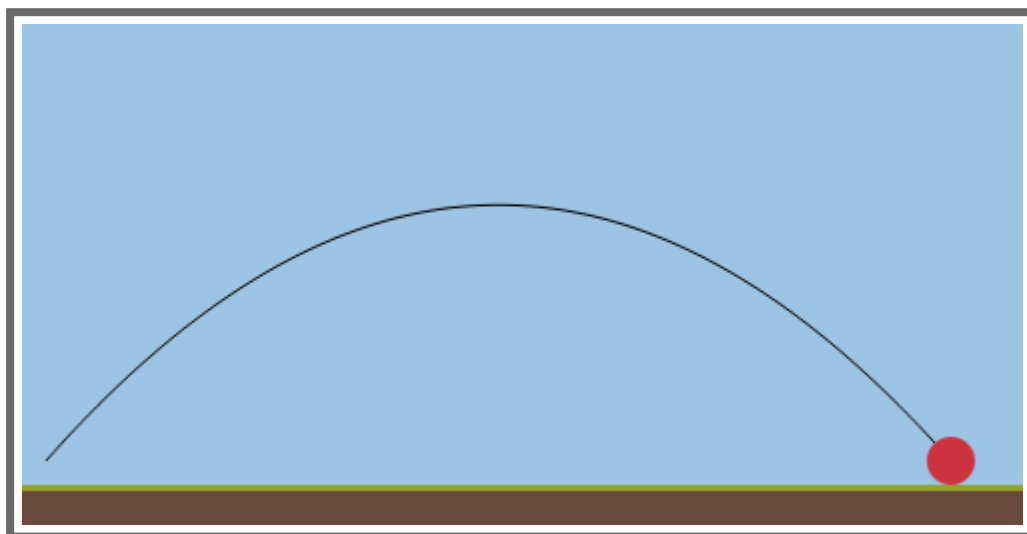
All Respondents

Professional Developers



<https://insights.stackoverflow.com/survey/2019>

## Projecting onwards



In the *next lesson*, we will see who this course is for.

See you there! :)

