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# Activity 5.1 Worksheet

**Questions/Tasks.** Please answer each of the following or complete the assigned task after watching the lecture videos linked in the activity.

1. Give an example of a pair of HTML tags that must be opened and closed. How is this tag used in a webpage?

**<HTML>**

**</HTML>**

These are used to open and close a webpage.

1. Give an example of a HTML tag that doesn’t come as a pair. How is this tag used in a webpage?

**</br>**

This is a new line character for HTML.

1. Give an example of a HTML attribute. What is its purpose?

**<font color = “red”>**

Attributes add extra information to the text.

1. What is the point of CSS styling tags? How are the beneficial in web scraping?

CSS styling tags help streamline webpage design by allowing developers to apply consistent styles across multiple elements. For example, instead of manually setting <font color="red"> for every piece of text, you can define a CSS class at the beginning of the webpage and apply it using <span class="red">. This makes styling more efficient and easier to manage.

In web scraping, CSS classes are beneficial because they provide a structured way to identify and extract specific types of information. For instance, if phone numbers on a webpage are styled using <span class="red">, a scraper can target that class to extract all phone numbers efficiently, making data collection more precise and automated.