

Cheat Sheet: API's and Data Collection

Accessing element attribute value of a specific attribute of an HIML element. Parse the HIML content of a web page using Page autiful Soup) Page autifu	Package/Method	Description	Code Example
Accessing element attribute attribute of an HIML element. Parse the HIML content of a web page using BeautifulSoup Description of a web page using BeautifulSoup. The parser type can vary based on the project. Send a DELETE request to remove data or a resource from the server. DELETE request to remove data or a resource from the server. Third telement that matches the specified tag and attributes. Find all HIML element that matches the specified tag and attributes. Find all HIML element that matches the specified tag and attributes. Find all HIML element that matches the specified tag and attributes. Find all HIML element that matches the specified tag and attributes. Find all HIML element that matches the specified tag and attributes. Find all HIML element that matches the specified tag and attributes. Find all HIML element that matches the specified tag and attributes. Find all HIML element that matches the specified tag and attributes. Find all HIML element that matches the specified tag and attributes. Find all HIML element that matches the specified tag and attributes. Course of the specified tag and attributes. Find all HIML element tag and the specified tag and attributes. Course of the specified tag and		value of a specific attribute of an HTML	
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Syntax: 1 children = element.findChildren()			Example:
Find all child 1 children = element.findChildren()			1 all_links = soup.find_all((a), {(class): (link)})
elements of an		Find all child elements of an	

miderinareny	HTML element.	Example.
		1 child_elements = parent_div.findChildren()
get()	Perform a GET request to retrieve data from a specified URL. GET requests are typically used for reading data from an API. The response variable will contain the server's response, which you can process further.	<pre>Syntax: 1 response = requests.get(url) Example: 1 response = requests.get((https://api.example.com/data))</pre>
Headers	Include custom headers in the request. Headers can provide additional information to the server, such as authentication tokens or content types.	<pre>Syntax: 1 headers = {(HeaderName): (Value)} Example: 1 base_url = (https://api.example.com/data) headers = {(Authorization): (Bearer YOUR_1)</pre>
Import Libraries	Import the necessary Python libraries for web scraping.	Syntax: 1 from bs4 import BeautifulSoup
json()	Parse JSON data from the response. This extracts and works with the data returned by the API. The response.json() method converts the JSON response into a Python data structure (usually a dictionary or list).	<pre>Syntax: 1 data = response.json() Example: 1 response = requests.get((https://api.example.com/data)) 2 data = response.json()</pre>

		Syntax:
next_sibling()	Find the next sibling element in the	1 sibling = element.find_next_sibling()
		Example:
	DOM.	<pre>1 next_sibling = current_element.find_next_sibling()</pre>
	Access the	Syntax: 1 parent = element.parent
parent	parent element in the	Example:
	Document Object Model	1 parent_div = paragraph.parent
	(DOM).	par ene_azy par ag, apritpar ene
	Send a POST request to a	
	specified URL with data.	
	Create or	Syntax:
	update POST requests using	1 response = requests.post(url, data)
post()	resources on the server. The	Example:
	data parameter	<pre>1 response = requests.post((https://api.example.com/submit), data={(key): (value)})</pre>
	contains the data to send	
	to the server, often in JSON	
	format.	
	Send a PUT request to	
	update data on the server. PUT requests are used to update an existing resource on the server with the data provided in the data	
		Syntax:
		1 response = requests.put(url, data)
put()		Example:
		<pre>1 response = requests.put((https://api.example.com/update), data={(key): (value)})</pre>
	parameter, typically in	
	JSON format.	
	Pass query parameters in the URL to filter or customize the request. Query parameters specify	Syntax:
		1 params = {(param_name): (value)}
Query parameters		Example:
		1 base_url = "https://api.example.com/data"
	conditions or limits for the	<pre>params = {"page": 1, "per_page": 10} response = requests.get(base_url, params=params)</pre>
	requested	

requested

	data.	
select()	Select HTML elements from the parsed HTML using a CSS selector.	<pre>Syntax: 1 element = soup.select(selector) Example: 1 titles = soup.select((h1))</pre>
status_code	Check the HTTP status code of the response. The HTTP status code indicates the result of the request (success, error, redirection). Use the HTTP status codelt can be used for error handling and decision- making in your code.	Syntax: 1 response.status_code Example: 1 url = "https://api.example.com/data" 2 response = requests.get(url) 3 status_code = response.status_code
tags for find() and find_all()	Specify any valid HTML tag as the tag parameter to search for elements of that type. Here are some common HTML tags that you can use with the tag parameter.	<pre>Tag Example: 1</pre>
text	Retrieve the text content of an HTML element.	Syntax: 1 text = element.text Example: 1 title_text = title_element.text

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