## Cheat Sheet: API's and Data Collection

Package/Method	Description	Code Example	
T dottago metrod	Scotlytton	Syntax:	
Accessing element attribute	Access the value of a specific attribute of an HTML element.	attribute = element[(attribute)]  Example:	අ
		1 href = link_element[(href)]	අු
		Syntax:	
	Parse the HTML content of a web page using BeautifulSoup. The parser type can vary based on the project.	soup = BeautifulSoup(html, (html.parser))	අ
BeautifulSoup()		Example:	
		<pre>html = (https://api.example.com/data) soup = BeautifulSoup(html, (html.parser))</pre>	අ
	Send a DELETE request to remove data or a resource from the server.  DELETE requests delete a specified resource on the server.	Syntax:  1 response = requests.delete(url)	අු
delete()		Example:	
		<pre>1 response = requests.delete((https://api.example.com/delete))</pre>	æ
		Syntax:	
	Find the first HTML element that matches the specified tag and attributes.	1 element = soup.find(tag, attrs)	අු
find()		<pre>Example:  1  first_link = soup.find((a), {(class): (link)})</pre>	එු
			40
		Syntax:  1 elements = soup.find_all(tag, attrs)	අධ
find_all()	Find all HTML elements that match the specified tag and attributes.	Example:	
		1 all_links = soup.find_all((a), {(class): (link)})	අු
		Syntax:	
findChildren()	Find all abild elements of an HTML element	1 children = element.findChildren()	<b>4</b> 2
illidefillarett()	Find all child elements of an HTML element.	<pre>Example:  1    child_elements = parent_div.findChildren()</pre>	Ca Ca
	Perform a GET request to retrieve data from a specified LIDI. GET requests	Syntax:  1 response = requests.get(url)	æ
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.	Example:	
		<pre>response = requests.get((https://api.example.com/data))</pre>	අධ
	Include custom headers in the request. Headers can provide additional information to the server, such as authentication tokens or content types.	Syntax:  1 headers = {(HeaderName): (Value)}	අධ
Headers		Example:	
		1 base_url = (https://api.example.com/data) headers = {(Authorization): (Bearer YOUR_TOKEN)} response = requests.get(base_url, headers=headers)	) එු
		Syntax:	
Import Libraries	Import the necessary Python libraries for web scraping.	1 from bs4 import BeautifulSoup	අ
	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).	Syntax:  1 data = response.json()	අ
		Example:	
json()		1 response = requests.get((https://api.example.com/data))	Ø)
		<pre>data = response.json()</pre>	40
	Find the next sibling element in the DOM.	Syntax:  1 sibling = element.find_next_sibling()	අු
next_sibling()		Example:	
		<pre>1    next_sibling = current_element.find_next_sibling()</pre>	අු
		Syntax:	
	Access the parent element in the Document Object Model (DOM).	1 parent = element.parent	අ
parent		Example:	-An
		1 parent_div = paragraph.parent	අ
post()	Send a POST request to a specified URL with data. Create or update POST requests using resources on the server. The data parameter contains the data to send to the server, often in JSON format.	Syntax:  1 response = requests.post(url, data)	<b>C</b> D
		Example:	
		<pre>1 response = requests.post((https://api.example.com/submit), data={(key): (value)})</pre>	<b>C</b>
		C <sub>restant</sub> .	

Send a FVI request is update and another process on the server will neglect an used procedure in the college processor on the server will be did all provided in the college processor on the server will be did all provided in the college processor on the server will be did all provided in the college processor of the server will be did all provided in the college processor of the server will be did all provided in the college processor of the server will be did all provided in the college processor of the server will be did all provided in the college processor of the server will be did all provided in the college processor of the server will be did all provided in the college processor of the server will be did all provided in the college processor of the server will be did all provided in the server will be did all provided			Эункал.	
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Pass quary parameters   Public to their or outstands the request Courty parameters governor			Example:	
Description   Pass query parameters in the UFL to filter or customize the requested date.   Description   Descri			1 response = requests.put((https://api.example.com/update), data={(key): (value)})	<b>4</b> 2
Pass quary parameters Pass quary parameters in the LIFEL to filter or customite the requested date.    Description   Description	Query parameters		Syntax:	
Pass digrip planements a free of the first or before or collections of hinds for the requested date.    Select HTML elements from the parsed HTML using a CSS selector.   Select HTML elements from the parsed HTML using a CSS selector.   Example:			<pre>params = {(param_name): (value)}</pre>	එ
parameters specify conditions or limits for the requested data.    a			Example:	
Spirate:  Select HTML elements from the parsed HTML using a CSS selector.  Select HTML elements from the parsed HTML using a CSS selector.  1 clarent - soup.select(selector)  1 titles - soup.select(felector)  1 titles - soup.select(felector)  1 titles - soup.select(felector)  2 titles - soup.select(felector)  1 response - requests continued to the request seconds. For instance code on decision making in your code.  1 response - statur_code  2 statur_code - requests get(fel)  3 statur_code - requests get(fel)  3 statur_code - requests get(fel)  4 unl = "https://api.example.com/data"  2 response - requests get(fel)  5 clarent - soup.select(felector)  1 response - statur_code  2 statur_code  5 a clarent - soup.select(felector)  1 response - statur_code  5 cample:  1 unl = "https://api.example.com/data"  2 response - requests get(felector)  1 unl = "https://api.example.com/data"  2 response - requests get(felector)  1 unl = "https://api.example.com/data"  2 response - requests get(felector)  1 unl = "https://api.example.com/data"  2 response - requests get(felector)  1 unl = "https://api.example.com/data"  2 response - requests get(felector)  2 response - requests get(felector)  1 unl = "https://api.example.com/data"  2 response - requests get(felector)  2 response - requests get(felector)  3 statur_code  6 (int) pick get(felector)  1 (int) pick get(felector)  2 (int) pick get(felector)  3 statur_code  4 unl = "https://api.example.com/data"  2 response - requests get(felector)  3 statur_code  4 unl = "https://api.example.com/data"  2 response - requests get(felector)  3 statur_code  4 unl = "https://api.example.com/data"  2 response - requests get(felector)  3 statur_code  4 unl = "https://api.example.com/data"  2 response - requests get(felector)  3 statur_code  4 unl = "https://api.example.com/data"  2 response - requests get(felector)  3 statur_code  4 unl = "https://api.example.com/data"  2 response - request			1 base_url = "https://api.example.com/data"	
Syntax:  1 element = soop.select(selector)    Check the HTTP status code of the response. The HTTP status code of the HTTP status code of the response. The HTTP status code of the HTTP status code o				@i
tables (or find) and find, all)  Select HTML elements from the parsed HTML using a CSS selector.  Example:    1			3 response = requests.get(base_url, params=params)	.0
Example:    Select HTML elements from the parsed HTML using a CSS selector.			Syntax:	
tags for find() and find, all()  tags for find() and find, all()  and find, all()  Example:    1		Select HTML elements from the parsed HTML using a CSS selector.	1 element = soup.select(selector)	එා
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 code indicates the result of the request (success, error, redirection). Use the HTTP status code in be used for error handling and decision-making in your code.    The propose status code	select()		Example:	
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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 codel can be used for error handling and decision-making in your code.  1 url = "https://api.example.com/data"  response = requests.get(url)  status_code = response.status_code  1 caps 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.  Specify any valid HTML tags that you can use with the tag parameter.  Specify any valid HTML tags that you can use with the tag parameter.  Specify any valid HTML tags that you can use with the tag parameter.  Specify any valid HTML tags that you can use with the tag parameter.  Specify any valid HTML tags that you can use with the tag parameter.  Specify any valid HTML tags that you can use with the tag parameter.  Specify any valid HTML tags that you can use with the tag parameter.  Specify any valid HTML tags that you can use with the tag parameter.  Specify any valid HTML tags that you can use with the tag parameter to search for elements of that type. Here are some common HTML tags that you can use with the tags.  (try): Find table (t) tags.  (try): Find table (t) tags.  (try): Find table (t) (td)) tags.  (tr		indicates the result of the request (success, error, redirection). Use the HTTP status codelt can be used for error handling and decision-making in	·	
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tags for rincil and find_all() that type. Here are some common HTML tags that you can use with the tag parameter.    Continue of the text content of an HTML element.   Example:   Example:				
parameter.  6 - (td): Find table cell ((td)) tags. 7 - (th): Find table header cell ((td)) tags. 8 - (tag): Find image ((tag)) tags. 9 - (form): Find form ((form)) tags. 10 - (button): Find button ((button)) tags.  2 Syntax: 1 text = element.text  Example:  Example:			5 - (tr): Find table row () tags.	
B   - (img): Find image ((img)) tags.     9   - (form): Find form ((form)) tags.     10   - (button): Find button ((button)) tags.     20   Syntax:     1   text = element.text     1   text = element.text     2   Example:     3   Example:     4   Example:     5   Example:     6   Example:     7   Example:     8   - (img): Find image ((img)) tags.     9   - (img): Find image ((img)) tags.     1   Example:     1   Example:     1   Example:     2   Example:     3   Example:     4   Example:     5   Example:     6   Example:     6   Example:     7   Example:     8   - (img): Find image ((img)) tags.     9   - (img): Find image ((img)) tags.     1   Example:				
### Syntax:    text   Retrieve the text content of an HTML element.      Partieve the text content of an HTM				
Syntax:  1 text = element.text  text Retrieve the text content of an HTML element.  Example:				
text Retrieve the text content of an HTML element.				@
text			Syntax:	
	text	Retrieve the text content of an HTML element.		ළු
<pre>1 title_text = title_element.text</pre>			Example:	
			1 title_text = title_element.text	ළු

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