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Cheat Sheet: API's and Data Collection			
Package/Method	Description	Code Example	
Accessing element attribute	Access the value of a specific attribute of an HTML element.	Syntax:  1 attribute = element[(attribute)]  Example:  1 href = link_element[(href)]	

html = (https://api.example.com/data) soup = BeautifulSoup(html, (html.parser))

response = requests.delete((https://api.example.com/delete))

Package/Method	Description	Code Example		
			Syntax:	
			1	attribute = element[(attrib

Syntax:

Example:

Syntax:

Syntax:

Example:

Tag Example:

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Syntax:

Example:

Cheat Sheet: API's and Data Collection				
Package/Method	Description	Code Example		
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Cheat Sh	eet: API's ar	nd Data Collection
Package/Method	Description	Code Example

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Cheat Sheet: A	API's and Da	ata Collection

Cheat Sh	eet: API's ar	nd Data Collect
Package/Method	Description	Code Example

Cheat Sheet: API's and Data Collection			
Cheat Sheet: API's and Data Collection			
Cheat Sheet: API's and Data Collection			
	Cheat Sheet: A	API's and Data	Collection

Parse the HTML

BeautifulSoup()

delete()

find()

find\_all()

findChildren()

**Headers** 

Import Libraries

json()

next\_sibling()

parent

post()

put()

Query parameters

select()

status\_code

tags for find() and

find\_all()

text

Skills Network

content of a web page

using BeautifulSoup.

The parser type can

vary based on the

Send a DELETE

server. DELETE

requests delete a

the server.

attributes.

Find all HTML

attributes.

elements that match

the specified tag and

Find all child elements

Perform a GET request

to retrieve data from a

specified URL. GET

requests are typically

used for reading data

response variable will

contain the server's

response, which you

can process further.

headers in the request.

Headers can provide

additional information

to the server, such as

authentication tokens

Import the necessary

Python libraries for web

Parse JSON data from

extracts and works with

the response. This

the data returned by

method converts the

JSON response into a

Python data structure

(usually a dictionary or

Find the next sibling

element in the DOM.

Access the parent

**Document Object** 

Send a POST request

to a specified URL with

data. Create or update

POST requests using

parameter contains the

resources on the

server. The data

data to send to the

format.

server, often in JSON

Send a PUT request to

update data on the

server. PUT requests

are used to update an

the server with the data

existing resource on

provided in the data

JSON format.

parameter, typically in

Pass query parameters

in the URL to filter or

Query parameters

data.

specify conditions or

limits for the requested

Select HTML elements

from the parsed HTML

using a CSS selector.

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.

Specify any valid

Here are some

HTML tag as the tag

elements of that type.

common HTML tags

that you can use with

the tag parameter.

Retrieve the text

element.

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content of an HTML

parameter to search for

customize the request.

element in the

Model (DOM).

the API. The

list).

response.json()

or content types.

scraping.

Include custom

from an API. The

of an HTML element.

request to remove data

or a resource from the

specified resource on

Find the first HTML

element that matches

the specified tag and

project.

soup = BeautifulSoup(html, (html.parser))

response = requests.delete(url)

element = soup.find(tag, attrs)

elements = soup.find\_all(tag, attrs)

children = element.findChildren()

response = requests.get(url)

headers = {(HeaderName): (Value)}

from bs4 import BeautifulSoup

data = response.json()

data = response.json()

parent = element.parent

parent\_div = paragraph.parent

response = requests.post(url, data)

response = requests.put(url, data)

params = {(param\_name): (value)}

base\_url = "https://api.example.com/data"

response = requests.get(base\_url, params=params)

params = {"page": 1, "per\_page": 10}

element = soup.select(selector)

url = "https://api.example.com/data"

status\_code = response.status\_code

response = requests.get(url)

- (a): Find anchor () tags.

- (p): Find paragraph ((p)) tags.

- (table): Find table () tags.

- (tr): Find table row () tags.

- (td): Find table cell ((td)) tags.

- (img): Find image ((img)) tags.

- (form): Find form ((form)) tags.

title\_text = title\_element.text

text = element.text

- (th): Find table header cell ((td))tags.

- (button): Find button ((button)) tags.

titles = soup.select((h1))

response.status\_code

response = requests.post((https://api.example.com/submit), data={(key): (value)})

response = requests.put((https://api.example.com/update), data={(key): (value)})

- (h1), (h2), (h3), (h4), (h5), (h6): Find heading tags from level 1 to 6 ( (h1),n (h2)).

sibling = element.find\_next\_sibling()

child\_elements = parent\_div.findChildren()

first\_link = soup.find((a), {(class): (link)})

all\_links = soup.find\_all((a), {(class): (link)})

response = requests.get((https://api.example.com/data))

response = requests.get((https://api.example.com/data))

next\_sibling = current\_element.find\_next\_sibling()

base\_url = (https://api.example.com/data) headers = {(Authorization): (Bearer YOUR\_TOKEN)} response = requests.get(base\_url, headers=h 🖒 r 🖹