

Beautiful Soup

Beautiful Soup Object and Methods

BeautifulSoup uses a parser to take in the content of a webpage. It provides tree traversal and advanced searching methods. It creates an object from the website contents.

```
# This line of code creates  
a BeautifulSoup object from a webpage:
```

```
soup = BeautifulSoup(webpage.content,  
"html.parser")
```

```
# Within the `soup` object, tags can be  
called by name:
```

```
first_div = soup.div
```

```
# or by CSS selector:
```

```
all_elements_of_header_class  
= soup.select(".header")
```

```
# or by a call to `.find_all`:
```

```
all_p_elements = soup.find_all("p")
```

Beautiful Soup Traversal

BeautifulSoup is a Python library used to parse and traverse an HTML page. BeautifulSoup can scrape webpage data and collect it in a form suitable for data analytics.

