

These attempts were done in Feb 2022 individually in Senior Design II - Sriram

```
C:\> Beautiful Soup Python Web Scraping.py X
C:\> S.Sriram > U.S. Universities (Bachelor's Degree) > Wichita State University > WSU Course Folders > Spring 2022 > Course Materials > CS 599 (Senior Design Project II) > Backend Code Development > Beautiful Soup Python Web Scraping.py > ...

18
19 # Actual program to web scrape Tabor's Jayshop website
20 from bs4 import BeautifulSoup
21 import requests
22
23 url = "https://tabor.edu/product/ci-sport-quarter-zip/"
24
25 result = requests.get(url, headers = {'User-Agent': 'Mozilla/5.0'})
26 doc = BeautifulSoup(result.text, 'html.parser')
27 print(doc.prettify())
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

```
<meta content="IE=edge" http-equiv="X-UA-Compatible"/>
<title>
CI Sport Quarter Zip | Jayshop | Tabor College
</title>
<meta content="width=device-width, initial-scale=1, user-scalable=0, minimum-scale=1.0, maximum-scale=1.0" name="viewport"/>
<meta content="yes" name="apple-mobile-web-app-capable"/>
<style data-phast-original-src="https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css" data-phast-params="{"ref":"SRap3RQ1K6Q"}">
@font-face{font-family:FontAwesome;src:url('https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/./fonts/fontawesome-webfont.eot?v=4.7.0');src:url('https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/./fonts/fontawesome-webfont.woff2?v=4.7.0') format('woff2'),url('https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/./fonts/fontawesome-webfont.woff?v=4.7.0') format('woff'),url('https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/./fonts/fontawesome-webfont.ttf?v=4.7.0') format('truetype'),url('https://maxcdn.bootstrapcdn.com/font-awesome/4.7.0/css/./fonts/fontawesome-webfont.svg?v=4.7.0#fontawesomeregular') format('svg');font-weight:normal;font-style:normal;font-size:inherit;text-rendering:auto;-webkit-font-smoothing:antialiased;-moz-osx-font-smoothing:grayscale;}.pull-right(float:right);.fa-pull-right(margin-left:3em);@-webkit-keyframes fa-spin{0%{-webkit-transform:rotate(0deg);transform:rotate(0deg)}100%{-webkit-transform:rotate(359deg);transform:rotate(359deg)}}@keyframes fa-spin{0%{-webkit-transform:rotate(0deg);transform:rotate(0deg)}100%{-webkit-transform:rotate(359deg);transform:rotate(359deg)}}.fa-search:before(content:'f002').fa-twitter:before(content:'f099').fa-facebook:before(content:'f0ba').fa-angle-right:before(content:'f105').fa-instagram:before(content:'f16d').fa-flickr:before(content:'f16e').fa-vimeo-square:before(content:'f194').sr-only(position:absolute;width:1px;height:1px;padding:0;margin:-1px;overflow:hidden;clip:rect(0,0,0,0);border:0)
</style>
<script src="https://tracking.md1.io/tracks.js?dom=TaborClickCapture&track=true" type="text/javascript">
</script>
<script src="//use.typekit.net/zuz6suw.js">
</script>
<script>
try{Typekit.load()}catch(e){}
```

Figure 1 - web scraping information from Tabor College works

The screenshot shows a Visual Studio Code editor with a Python script for web scraping. The script uses BeautifulSoup and requests to fetch data from a website. The terminal output shows the scraped prices.

```

1 # Actual program to web scrape Tabor's Jaysop website
2 from bs4 import BeautifulSoup
3 import requests
4
5 url = "https://tabor.edu/product/ci-sport-quarter-zip/"
6
7 result = requests.get(url, headers = {"User-Agent": "Mozilla/5.0"})
8 doc = BeautifulSoup(result.text, "html.parser")
9 print(doc.prettify())
10
11 # Want to find the price of the product
12 # prices = doc.find_all(text = "$")
13 # print(prices)
14 # parent = prices[0].parent # This is the parent tag of the price
15 # print(parent) # output is <span class="woocommerce-Price-currencySymbol">$</span>
16 # classTag = parent.find("class") # ???
17 # print(classTag.string) # output is $
18
19 prices = doc.find_all("span", class_ = "woocommerce-Price-amount")
20
21 for price in prices:
22     print(price.text)

```

The terminal output shows the scraped prices:

```

not(.is-content-justification-space-between,.is-content-justification-right,.is-content-justification-left,.is-content-justification-center).wp-block-button.aligncenter(margin-left:auto;margin-right:auto;
margin-bottom:.5em;width:100%)@media (min-width:600px)
$44.99
$44.00
$46.99
$12.50
$10.69
$4.50
$4.00
PS C:\Users\srirao

```

Figure 2 - successful in scraping the prices of various products from Tabor's JayShop website