In [1]:
```
# from splinter import Browser
from bs4 import BeautifulSoup
from splinter import Browser
import pandas as pd

# Set the executable path and initialize the chrome browser in splinter
executable_path = {'executable_path': '/usr/local/bin/chromedriver'}
browser = Browser("chrome", **executable_path)
```

In [2]:
```
browser.visit("https://mars.nasa.gov/news")
```

In [3]:
```
html=browser.html
```

In [4]:
```
news_soup = BeautifulSoup(html, 'html.parser')
```

In [5]:
```
title=news_soup.find("div", class_="content_title").get_text()
#find = part of BS to find and assign info to varable
```

In [6]:
```
title
```

Out[6]:
```
'NASA Invites Students to Name Mars 2020 Rover'
```

In [7]:
```
text=news_soup.find("div", class_="article_teaser_body")
```

In [8]:
```
text
```

Out[8]:
```
<div class="article_teaser_body">Through Nov. 1, K-12 students in the U.S. are e
ncouraged to enter an essay contest to name NASA's next Mars rover.</div>
```

In [9]:
```
browser.visit("https://www.jpl.nasa.gov/spaceimages/?search=&category=Mars")
html_b = browser.html
```

In [10]:
```
#image = news_soup.find("div", src="/spaceimages/images/wallpaper/PIA23344-640x35
0.jpg")
```

In [11]:
```
site="https://www.jpl.nasa.gov"
```

In [12]:
```
image_soup = BeautifulSoup(html_b, 'html.parser')
button = image_soup.find('a', class_='button fancybox')
button
```

Out[12]:
```
<a class="button fancybox" data-description="Technicians in a Lockheed Martin cl
ean room near Denver prepare NASA's InSight Mars lander for propulsion proof and
leak testing." data-fancybox-group="images" data-fancybox-href="/spaceimages/ima
ges/mediumsize/PIA18884_ip.jpg" data-link="/spaceimages/details.php?id=PIA18884"
data-title="Work on NASA's InSight Lander Starts New Phase" id="full_image">
                                        FULL IMAGE
                                    </a>
```

In [13]:
```
image = image_soup.find('a', {'id': 'full_image', 'data-fancybox-href': True}).ge
t('data-fancybox-href')
image
```

Out[13]:
```
'/spaceimages/images/mediumsize/PIA18884_ip.jpg'
```

In [14]:
```
awesome_image =  site + image
awesome_image
```

Out[14]:
```
'https://www.jpl.nasa.gov/spaceimages/images/mediumsize/PIA18884_ip.jpg'
```

In [15]:
```
browser.visit("https://twitter.com/marswxreport?lang=en")
html_c = browser.html
```

In [16]:
```
tweet_soup = BeautifulSoup(html_c, 'html.parser')
```

In [17]:
```
twitter = tweet_soup.find('p', class_='TweetTextSize TweetTextSize--normal js-tweet-text tweet-text')
```

In [18]:
```
weather = twitter.text.strip()
```

In [19]:
```
browser.visit("https://astrogeology.usgs.gov/search/results?q=hemisphere+enhanced&k1=target&v1=Mars")
#url ="https://astrogeology.usgs.gov/search/results?q=hemisphere+enhanced&k1=target&v1=Mars"
```

In [20]:
```
#data = pd.read_html(url)
```

In [21]:
```
html_d = browser.html
hem_soup = BeautifulSoup(html_d, 'html.parser')
```

In [22]:
```
hem = hem_soup.find_all('h3')
hem
```

Out[22]:
```
[<h3>Cerberus Hemisphere Enhanced</h3>,
 <h3>Schiaparelli Hemisphere Enhanced</h3>,
 <h3>Syrtis Major Hemisphere Enhanced</h3>,
 <h3>Valles Marineris Hemisphere Enhanced</h3>]
```

In [23]:
```
for_loop = [h3.text.strip() for h3 in hem]
```

In [24]:
```
for_loop
```

Out[24]:
```
['Cerberus Hemisphere Enhanced',
 'Schiaparelli Hemisphere Enhanced',
 'Syrtis Major Hemisphere Enhanced',
 'Valles Marineris Hemisphere Enhanced']
```

In [ ]:
```

```