In [2]:
```
# import libraries

from bs4 import BeautifulSoup
import requests
import time
import datetime
import smtplib
```

In [ ]:
```
# Connect to Website and pull in data

URL = 'https://www.amazon.com/EcoTools-Circulation-Appearance-Eco-Friendly-Cruelty-Free/dp/B016RFJDL8/ref=sr_1_6
headers = {"User-Agent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko)
           "Accept-Encoding":"gzip, deflate", "Accept":"text/html,application/xhtml+xml,application/xml;q=0.9,ima
           "DNT":"1","Connection":"close", "Upgrade-Insecure-Requests":"1"}

page = requests.get(URL, headers=headers)

soup1 = BeautifulSoup(page.content, "html.parser")

soup2 = BeautifulSoup(soup1.prettify(), "html.parser")

title = soup2.find(id='productTitle').get_text()

price = soup2.find(id='corePrice_feature_div').get_text()

#print(soup2)
#print(title)
#print(price)
```

In [41]:
```
# Clean up the data a little bit

price = price.strip()[1:5]
title = title.strip()

print(title)
print(price)
```

```
EcoTools Dry Body Brush, For Post Shower & Bath Skincare Routine, Removes Dirt & Promotes Blood Circulation, Help
s Reduce Appearance of Cellulite, Eco-Friendly, Vegan & Cruelty-Free, 1 Count
5.98
```

In [42]:
```
# Create a Timestamp for your output to track when data was collected

import datetime

today = datetime.date.today()

print(today)
```

```
2023-04-04
```

In [43]:
```
# Create CSV and write headers and data into the file

import csv

header = ['Title', 'Price', 'Date']
data = [title, price, today]


with open('AmazonWebScraperDataset.csv', 'w', newline='', encoding='UTF8') as f:
    writer = csv.writer(f)
    writer.writerow(header)
    writer.writerow(data)
```

In [35]:
```
#Now we are appending data to the csv

with open('AmazonWebScraperDataset.csv', 'a+', newline='', encoding='UTF8') as f:
    writer = csv.writer(f)
    writer.writerow(data)
```

In [ ]:
```
import pandas as pd

df = pd.read_csv(r'/Users/baharek/AmazonWebScraperDataset.csv')
```

```
print(df)
```

In [39]:

```
#Combine all of the above code into one function

def check_price():
    URL = 'https://www.amazon.com/EcoTools-Circulation-Appearance-Eco-Friendly-Cruelty-Free/dp/B016RFJDL8/ref=sr_
    headers = {"User-Agent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gec
           "Accept-Encoding":"gzip, deflate", "Accept":"text/html,application/xhtml+xml,application/xml;q=0.9,ima
           "DNT":"1","Connection":"close", "Upgrade-Insecure-Requests":"1"}

    page = requests.get(URL, headers=headers)

    soup1 = BeautifulSoup(page.content, "html.parser")

    soup2 = BeautifulSoup(soup1.prettify(), "html.parser")

    title = soup2.find(id='productTitle').get_text()

    price = soup2.find(id='corePrice_feature_div').get_text()

    price = price.strip()[1:5]
    title = title.strip()

    import datetime

    today = datetime.date.today()

    import csv

    header = ['Title', 'Price', 'Date']
    data = [title, price, today]

    with open('AmazonWebScraperDataset.csv', 'a+', newline='', encoding='UTF8') as f:
        writer = csv.writer(f)
        writer.writerow(data)
```

In [ ]:

```
# Runs check_price after a set time and inputs data into your CSV

while(True):
    check_price()

    time.sleep(86400)
```