

```
In [41]: from bs4 import BeautifulSoup
import requests
import smtplib
import time
import datetime
```

```
In [47]: URL = 'https://www.amazon.de/-/en/dp/B0CHXDVN39?th=1'

headers = {"User-Agent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7)"}

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

soup1 = BeautifulSoup(page.content, "lxml")

soup2 = BeautifulSoup(soup1.prettify(), "lxml")

title = soup2.find(id='productTitle').get_text()
price = soup2.find(class_='a-price-whole').getText()

print(title)
print(price)
```

Apple iPhone 15 Pro (256GB) - Titanium Blue

1,329

.

```
In [48]: price = price.strip()
title = title.strip()

print(title)
print(price)
```

Apple iPhone 15 Pro (256GB) - Titanium Blue
1,329

.

```
In [49]: import datetime

today = datetime.date.today()

print(today)
```

2023-10-12

```
In [50]: 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 [53]: import pandas as pd
import os
working_directory=os.getcwd()
path= working_directory + '/AmazonWebScraperDataset.csv'
df = pd.read_csv(path)
df
```

```
Out[53]:
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	Title	Price	Date
0	Apple iPhone 15 Pro (256GB) - Titanium Blue	1,329€	2023-10-12

```
In [54]: with open('AmazonWebScraperDataset.csv', 'a+', newline='', encoding='UTF8') as f:
    writer = csv.writer(f)
    writer.writerow(data)
```

```
In [55]: def check_price():
    URL = 'https://www.amazon.de/-/en/dp/B0CHXDVN39?th=1'

    headers = {"User-Agent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7; rv:109.0) Gecko/20100101 Firefox/109.0"}

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

    soup1 = BeautifulSoup(page.content, "lxml")
    soup2 = BeautifulSoup(soup1.prettify(), "lxml")

    title = soup2.find(id='productTitle').get_text()
    price = soup2.find(class_='a-price-whole').getText()
    price = price.strip()
    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)
    if(price < 1.100):
        send_mail()
```

```
In [ ]: while(True):
        check_price()
        time.sleep(86400)
```

```
In [ ]: import pandas as pd
import os
working_directory=os.getcwd()
path= working_directory + '/AmazonWebScraperDataset.csv'
df = pd.read_csv(path)
df
```

```
In [ ]: def send_mail():
        server = smtplib.SMTP_SSL('smtp.gmail.com',465)
        server.ehlo()
        #server.starttls()
        server.ehlo()
        server.login('tauffique80@gmail.com','xxxxxxxxxxxxxxxx')

        subject = "The iPhone 15 Pro you want is below 1100! Now is your chance"
        body = "Tauffique, This is the moment we have been waiting for. Now is your chance"

        msg = f"Subject: {subject}\n\n{body}"

        server.sendmail(
            'tauffique80@gmail.com',
            msg

        )
```