

In [1]: *# Importing Libraries*

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

In [2]: *#Connecting to the website*

```
URL = 'https://www.amazon.in/Sony-PS5-Console-Modern-Warfare/dp/B0CMQPPMB1/ref=sr_1
headers = {"User-Agent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537
page = requests.get(URL, headers=headers)

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

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

title = soup2.find('span',{'id': 'productTitle'}).get_text()

price = soup2.find('span', {'class': 'a-price-whole'}).get_text()

print(title)
print(price)
```

Sony PS5 Console - Call of Duty Modern Warfare III Bundle

55,390

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In [5]: **import** datetime

```
today = datetime.date.today()

print(today)
```

2024-01-22

In [6]: *#only run once or data gets deleted*

```
import csv

header = ['Title','Price','Date']

data = [title,price,today]

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

In [18]: *#data view for the csv file data*

```
import pandas as pd

df = pd.read_csv(r'AmazonWebScrappedDataset.csv')

print (df)
```

	Title \	Price	Date
0 \n	Sony PS5 Console - Call of Dut...	55,390\n	2024-01-22
1 \n	Sony PS5 Console - Call of Dut...	55,390\n	2024-01-22
2 \n	Sony PS5 Console - Call of Dut...	55,390\n	2024-01-22
3 \n	Sony PS5 Console - Call of Dut...	55,390\n	2024-01-22
4 \n	Sony PS5 Console - Call of Dut...	55,390\n	2024-01-22
5 \n	Sony PS5 Console - Call of Dut...	55,390\n	2024-01-22
6 \n	Sony PS5 Console - Call of Dut...	55,390\n	2024-01-22
7 \n	Sony PS5 Console - Call of Dut...	55,390\n	2024-01-22
8 \n	Sony PS5 Console - Call of Dut...	55,390\n	2024-01-22

In [11]: *#now appending the data to the csv*

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

In [15]:

```
def check_price():
    URL = 'https://www.amazon.in/Sony-PS5-Console-Modern-Warfare/dp/B0CMQPPMB1/ref=
    headers = {"User-Agent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit
    page = requests.get(URL, headers=headers)

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

    title = soup2.find('span',{'id': 'productTitle'}).get_text()
    price = soup2.find('span', {'class': 'a-price-whole'}).get_text()

    import datetime
    today = datetime.date.today()

    import csv

    header = ['Title','Price','Date']

    data = [title,price,today]

    with open('AmazonWebScrappedDataset.csv','a+', newline='',encoding = 'UTF8' )
        writer = csv.writer(f)
        writer.writerow(data)

    if(price < 55390):
        send_mail()
```

```
In [16]: while (True):
        check_price()
        time.sleep(5)
```

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KeyboardInterrupt

Traceback (most recent call last)

Cell In[16], line 3

1 while (True):

2 check\_price()

----> 3 time.sleep(5)

KeyboardInterrupt:

```
In [17]: import pandas as pd

df = pd.read_csv(r'AmazonWebScrappedDataset.csv')

print (df)
```

	Title \		
0 \n	Sony PS5 Console - Call of Dut...		
1 \n	Sony PS5 Console - Call of Dut...		
2 \n	Sony PS5 Console - Call of Dut...		
3 \n	Sony PS5 Console - Call of Dut...		
4 \n	Sony PS5 Console - Call of Dut...		
5 \n	Sony PS5 Console - Call of Dut...		
6 \n	Sony PS5 Console - Call of Dut...		
7 \n	Sony PS5 Console - Call of Dut...		
8 \n	Sony PS5 Console - Call of Dut...		
		Price	Date
0 \n		55,390\n	... 2024-01-22
1 \n		55,390\n	... 2024-01-22
2 \n		55,390\n	... 2024-01-22
3 \n		55,390\n	... 2024-01-22
4 \n		55,390\n	... 2024-01-22
5 \n		55,390\n	... 2024-01-22
6 \n		55,390\n	... 2024-01-22
7 \n		55,390\n	... 2024-01-22
8 \n		55,390\n	... 2024-01-22

```
In [ ]:
```