In [7]:
```
# import libraries

from bs4 import BeautifulSoup #parses the unwanted data by fixing bad HTML and pres
import requests#allows you to send HTTP requests using Python.
import time
import datetime

import smtplib#SMTP client session object that can be used to send mail to any inte
```

In [ ]:
```
#Connect to Website.
```

In [42]:
```
URL = 'https://www.amazon.com/Funny-Data-Systems-Business-Analyst/dp/B07FNW9FGJ'

#You can use httpbin to test and inspect the data that would be sent the 3rd party
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")#better format of code.

title = Soup2.find(id='productTitle').get_text()

#price = Soup2.find(id='corePrice_feature_div').get_text()

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

```
Funny Got Data MIS Data Systems Business Analyst T-Shirt
```

In [55]:
```
title = title.strip()#title came to corner from middle. Helps clean whitespaces.
print(title)
```

```
Funny Got Data MIS Data Systems Business Analyst T-Shirt
```

In [56]:
```
import datetime
today = datetime.date.today()
print(today)
```

```
2023-06-02
```

In [57]:
```
import csv

header = ['Title','Date']
data = [title, today]
type(data)#checking the dataype if it's a list, array, etc.

#getting the scrapped data in csv fileformat into your system storage.
with open('AmazonWebScraperDataSet.csv', 'w', newline='', encoding ='UTF8') as f:
        writer = csv.writer(f)
        writer.writerow(header)
        writer.writerow(data)
```

In [74]:
```
import pandas as pd

df = pd.read_csv(r'C:\Users\SAMAD\AmazonWebScraperDataSet.csv')
print(df)
```

```
                                                Title        Date
0  Funny Got Data MIS Data Systems Business Analy...  2023-06-02
1  Funny Got Data MIS Data Systems Business Analy...  2023-06-02
2  Funny Got Data MIS Data Systems Business Analy...  2023-06-02
3  Funny Got Data MIS Data Systems Business Analy...  2023-06-02
4  Funny Got Data MIS Data Systems Business Analy...  2023-06-02
```

In [78]:
```
#appending data for csv.
with open('AmazonWebScraperDataSet.csv', 'a+', newline='', encoding ='UTF8') as f:
        writer = csv.writer(f)
        writer.writerow(data)
```

In [84]:
```
def check_title():

    URL = "https://www.amazon.com/Funny-Data-Systems-Business-Analyst/dp/B07FNW9FG

    headers = {"User-Agent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKi

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

    Soup1 = BeautifulSoup(page.content, "html.parser")

    Soup2 = BeautifulSoup(Soup1.prettify(), "html.parser")#better format of code.

    title = Soup2.find(id='productTitle').get_text()

    title = title.strip()

    import datetime

    today = datetime.date.today()

    import csv

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

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

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

In [97]:
```
import pandas as pd

df = pd.read_csv(r'C:\Users\SAMAD\AmazonWebScraperDataSet.csv')

print(df)
```

```
Empty DataFrame
Columns: [Funny Got Data MIS Data Systems Business Analyst T-Shirt, 2023-06-02]
Index: []
```