In [1]:
```
from bs4 import BeautifulSoup
import requests
import time
import datetime

import smtplib
```

In [ ]:
```
# Connect to website
url = URL = 'https://www.amazon.com/Funny-Data-Systems-Business-
Analyst/dp/B07FNW9FGJ/ref=sr_1_3?
dchild=1&keywords=data%2Banalyst%2Btshirt&qid=1626655184&sr=8-
3&customId=B0752XJYNL&th=1'


headers = {"User-Agent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36
(KHTML, like Gecko) Chrome/78.0.3904.108 Safari/537.36", "Accept-Encoding":"gzip,
deflate", "Accept":"text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8",
"DNT":"1","Connection":"close", "Upgrade-Insecure-Requests":"1"}
```

In [40]:
```
## Find and Clean the data that we want

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="apex_desktop").get_text()

print(title)
print(price)
```

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




             $16.99


              $

              16

               .

              99
```

Get

Fast, Free Shipping

with

Amazon Prime

&

FREE Returns

Return this item for free

You can return this item for any reason: no shipping charges. The item must be returned in new and unused condition.

Read the full returns policy

How to return this item:

Go to Your Orders to start the return

Print the return shipping label

Ship it!

In [43]:
```
## Strip the data for what we want
print(price)
title = title.strip()
print(title)
```

```
$16.99
Funny Got Data MIS Data Systems Business Analyst T-Shirt
```

In [66]:
```
### now we this convert data to a csv file
import csv
header = ['Title', 'Price', 'Data']
data= [title,price, today]

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

In [67]:
```
## create a timestamp
import datetime

today=datetime.date.today()

print(today)
```

```
2022-05-23
```

In [74]:

```
import pandas as pd
df =pd.read_csv(r'C:\Users\coold\AmazonWebScraperProject.csv')
print(df)
```

```
                                               Title   Price        Data
0  Funny Got Data MIS Data Systems Business Analy...  $16.99  2022-05-23
1  Funny Got Data MIS Data Systems Business Analy...  $16.99  2022-05-23
2  Funny Got Data MIS Data Systems Business Analy...  $16.99  2022-05-23
3  Funny Got Data MIS Data Systems Business Analy...  $16.99  2022-05-23
4  Funny Got Data MIS Data Systems Business Analy...  $16.99  2022-05-23
5  Funny Got Data MIS Data Systems Business Analy...  $16.99  2022-05-23
```

In [ ]:

In [ ]:

In [73]:
```
## Now we are appending data ti the csv

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

In [77]:
```
### Now we will make this an automated process

def  check_price():
    url = URL = 'https://www.amazon.com/Funny-Data-Systems-Business-
Analyst/dp/B07FNW9FGJ/ref=sr_1_3?
dchild=1&keywords=data%2Banalyst%2Btshirt&qid=1626655184&sr=8-
3&customId=B0752XJYNL&th=1'


    headers = {"User-Agent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/78.0.3904.108 Safari/537.36", "Accept-
Encoding":"gzip, deflate",
"Accept":"text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8",
"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="apex_desktop").get_text()

    price =price.strip()[:6]
    title =title.strip()

    import datetime

    today=datetime.date.today()

    import csv
    header = ['Title', 'Price', 'Data']
    data= [title,price, today]

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

```
            writer.writerow(data)
```

In [ ]:
```
Now we will set it to update everyday without us doing anything
while(True):
    check_price()
    time.sleep(86400)
```

In [79]:
```
example of the automation
import pandas as pd
df =pd.read_csv(r'C:\Users\coold\AmazonWebScraperProject.csv')
print(df)
```

```
                                                Title   Price        Data
0  Funny Got Data MIS Data Systems Business Analy...  $16.99  2022-05-23
1  Funny Got Data MIS Data Systems Business Analy...  $16.99  2022-05-23
2  Funny Got Data MIS Data Systems Business Analy...  $16.99  2022-05-23
3  Funny Got Data MIS Data Systems Business Analy...  $16.99  2022-05-23
4  Funny Got Data MIS Data Systems Business Analy...  $16.99  2022-05-23
5  Funny Got Data MIS Data Systems Business Analy...  $16.99  2022-05-23
6  Funny Got Data MIS Data Systems Business Analy...  $16.99  2022-05-23
7  Funny Got Data MIS Data Systems Business Analy...  $16.99  2022-05-23
8  Funny Got Data MIS Data Systems Business Analy...  $16.99  2022-05-23
9  Funny Got Data MIS Data Systems Business Analy...  $16.99  2022-05-23
```