```
ln [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

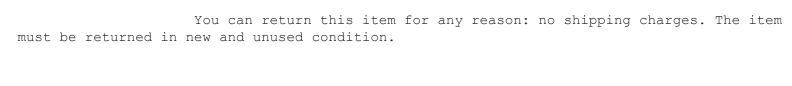
with

Amazon Prime

&

FREE Returns

Return this item for free



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
O 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)
ln[]: 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
O 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