```python
In [63]: # import libraries

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

```python
In [64]: # Connect to website

URL = 'https://www.amazon.co.uk/Stuffed-Animal-Standing-Dragon-Plushies/dp/B09VX3MT52?re

headers = {"User-Agent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/53

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

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

soup2 = BeautifulSoup(soup1.prettify(), "html.parser") #prettify makes things look bette

title = soup2.find(id='productTitle').get_text()

price_span = soup2.find("span", class_="a-offscreen")
price = price_span.get_text()

print(title)
print(price)
```

```
        Koopa Plush Toy, Soft Stuffed Animal Toys Standing Dragon Koopa Bowser Plush
Doll Plushies 25cm (Yellow)


                    £15.96
```

```python
In [65]: price = price.strip()[1:]
title = title.strip()

print(title)
print(price)
```

```
Koopa Plush Toy, Soft Stuffed Animal Toys Standing Dragon Koopa Bowser Plush Doll Plushi
es 25cm (Yellow)
15.96
```

```python
In [66]: import datetime

today = datetime.date.today()

formatted_date = today.strftime("%d-%m-%Y")
print(formatted_date)
```

```
10-06-2023
```

```python
In [70]: import csv

header = ['Title', 'Price', 'Date']
data = [title, price, formatted_date] #be sure to make sure type is checked as it can ca

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

```python
In [ ]:  #import csv

         #header = ['Title', 'Price', 'Date']
         #data = [title, price, formatted_date] #be sure to make sure type is checked as it can c

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

```python
In [79]: import pandas as pd

         df = pd.read_csv('/Users/coding/AmazonWebScraperDataset.csv')
         print(df)
```

```
                                               Title  Price        Date
0  Koopa Plush Toy, Soft Stuffed Animal Toys Stan...  15.96  10-06-2023
1  Koopa Plush Toy, Soft Stuffed Animal Toys Stan...  15.96  10-06-2023
2  Koopa Plush Toy, Soft Stuffed Animal Toys Stan...  15.96  10-06-2023
3  Koopa Plush Toy, Soft Stuffed Animal Toys Stan...  15.96  10-06-2023
4  Koopa Plush Toy, Soft Stuffed Animal Toys Stan...  15.96  10-06-2023
5  Koopa Plush Toy, Soft Stuffed Animal Toys Stan...  15.96  10-06-2023
6  Koopa Plush Toy, Soft Stuffed Animal Toys Stan...  15.96  10-06-2023
7  Koopa Plush Toy, Soft Stuffed Animal Toys Stan...  15.96  10-06-2023
8  Koopa Plush Toy, Soft Stuffed Animal Toys Stan...  15.96  10-06-2023
```

```python
In [73]: def check_price():
             URL = 'https://www.amazon.co.uk/Stuffed-Animal-Standing-Dragon-Plushies/dp/B09VX3MT5

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

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

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

             soup2 = BeautifulSoup(soup1.prettify(), "html.parser") #prettify makes things look b

             title = soup2.find(id='productTitle').get_text()

             price_span = soup2.find("span", class_="a-offscreen")
             price = price_span.get_text()

             price = price.strip()[1:]
             title = title.strip()

             import datetime

             today = datetime.date.today()

             formatted_date = today.strftime("%d-%m-%Y")

             import csv

             header = ['Title', 'Price', 'Date']
             data = [title, price, formatted_date] #be sure to make sure type is checked as it ca

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

             if(price < 14):
                 send_mail()
```

```
In [80]:  while(True):
              check_price()
              time.sleep(5)
```

```
---------------------------------------------------------------------------
KeyboardInterrupt                         Traceback (most recent call last)
Cell In[80], line 3
      1 while(True):
      2     check price()
----> 3     time.sleep(5)

KeyboardInterrupt:
```

```
In [ ]:      if(price < 14):
                 send_mail()

         def send mail ():
             server = smtplib.SMTP SSL('smtp.gmail.com',465)
             server.ehlo()
             #server.starttls()
             server.ehlo()
             server. login('yianis@gmail.com','xxxxxxxxxxxxxx')

             subject = "The shirt you want is below $15! Now is your chance to buy!"
             body = "Yianis, This is the moment we have been waiting for. Now is your chance to p

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

             server. sendmail
                 'yianis@gmail.com'
```

```
In [ ]:
```

```
In [ ]:
```