In [47]:
```
#pip install bs4
```

In [48]:
```
#pip install requests
```

In [49]:
```
from bs4 import BeautifulSoup
import requests
```

In [50]:
```
def get_title(soup):

        try:
                # Outer Tag Object
                title = soup.find("span", attrs={"id":'productTitle'})

                # Inner NavigableString Object
                title_value = title.string

                # Title as a string value
                title_string = title_value.strip()

                # # Printing types of values for efficient understanding
                # print(type(title))
                # print(type(title_value))
                # print(type(title_string))
                # print()

        except AttributeError:
                title_string = ""

        return title_string
```

In [51]:
```
def get_price(soup):

        try:
                price = soup.find("span", attrs={'class':'a-offscreen'}).string.strip(

        except AttributeError:
                price = ""

        return price
```

In [52]:
```
def get_rating(soup):

        try:
                rating = soup.find("i", attrs={'class':'a-icon a-icon-star a-star-4-5

        except AttributeError:

                try:
                        rating = soup.find("span", attrs={'class':'a-icon-alt'}).strir
                except:
                        rating = ""

        return rating
```

In [53]:
```
def get_review_count(soup):
        try:
```

```
                review_count = soup.find("span", attrs={'id':'acrCustomerReviewText'})

        except AttributeError:
                review_count = ""

        return review_count
```

In [54]:
```
def get_availability(soup):
        try:
                available = soup.find("div", attrs={'id':'availability'})
                available = available.find("span").string.strip()

        except AttributeError:
                available = ""

        return available
```

In [56]:
```
if __name__ == '__main__':

        # Headers for request
        HEADERS = ({'User-Agent':
                    'Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like G
                    'Accept-Language': 'en-US, en;q=0.5'})

        # The webpage URL
        URL = "https://www.amazon.com/dp/B0BYV51VBN/ref=sspa_dk_detail_3?pd_rd_i=B0BYV

        # HTTP Request
        webpage = requests.get(URL, headers=HEADERS)

        # Soup Object containing all data
        soup = BeautifulSoup(webpage.content, "lxml")

        # Function calls to display all necessary product information
        print("Product Title =", get_title(soup))
        print("Product Price =", get_price(soup))
        print("Product Rating =", get_rating(soup))
        print("Number of Product Reviews =", get_review_count(soup))
        #print("Availability =", get_availability(soup))
        print()
        print()
```

```
Product Title = 3 in 1 Magnetic Wireless Travel Foldable Charging Station with Light
for Apple Multiple Devices, Mag-Safe Charger Portable Stand, Compatible with iPhone 1
4/13/12 Series | Apple Watch | Airpods
Product Price = $38.99
Product Rating = 4.7 out of 5 stars
Number of Product Reviews = 31 ratings
```

In [ ]: