

# Assignment 4

1. Take any of your own URL, do WEB Scraping using requests/beautifulsop modules, and complete data analytics.

[https://www.amazon.in/s?bbn=1389401031&rh=n%3A1389401031%2Cp\\_89%3AApple&dc&qid=1709993568&rnid=3837712031&ref=lp\\_1389401031\\_nr\\_p\\_89\\_1](https://www.amazon.in/s?bbn=1389401031&rh=n%3A1389401031%2Cp_89%3AApple&dc&qid=1709993568&rnid=3837712031&ref=lp_1389401031_nr_p_89_1)

Sol)

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import requests
from bs4 import BeautifulSoup

# URL of the Amazon India page for Apple products
url = "https://www.amazon.in/s?bbn=1389401031&rh=n%3A1389401031%2Cp_89%3AApple&dc&qid=1709993568&rnid=3837712031&ref=lp_1389401031_nr_p_89_1"

# Send a GET request to the URL
response = requests.get(url)

# Parse the HTML content using BeautifulSoup
soup = BeautifulSoup(response.text, 'html.parser')

# Find all the div elements with class 's-result-item'
products = soup.find_all('div', class_='s-result-item')

# Loop through each product and extract relevant information
for product in products:
    # Extract product name
    product_name = product.find('span', class_='a-size-base-plus a-color-base a-text-normal')
    if product_name:
        product_name = product_name.text.strip()
    else:
        continue

    # Extract product price
    product_price = product.find('span', class_='a-price-whole')
    if product_price:
        product_price = product_price.text.strip()
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else:
    continue

# Extract product rating
product_rating = product.find('span', class_='a-icon-alt')
if product_rating:
    product_rating = product_rating.text.strip()
else:
    continue

# Print the extracted information
print("Product Name:", product_name)
print("Price:", product_price)
print("Rating:", product_rating)
print()
```

➡ Product Name: Apple iPhone 13 (128GB) - Blue  
Price: 52,090  
Rating: 4.6 out of 5 stars

Product Name: Apple Wired EarPods with Lightning Connector  
Price: 1,799  
Rating: 4.4 out of 5 stars

Product Name: Apple iPhone 13 (128GB) - Starlight  
Price: 52,090  
Rating: 4.6 out of 5 stars

➡ Product Name: Apple iPhone 13 (128GB) - Midnight  
Price: 52,090  
Rating: 4.6 out of 5 stars

Product Name: Apple iPhone 13 (128GB) - Pink  
Price: 52,090  
Rating: 4.6 out of 5 stars

Product Name: Apple iPhone 15 (128 GB) - Blue  
Price: 71,290  
Rating: 4.5 out of 5 stars



Top 20 Most Frequent Words in Prefrontal Cortex Wikipedia Page

