### [**https://www.newegg.com/p/pl?d=3080&N=4131**](https://www.newegg.com/p/pl?d=3080&N=4131) **Task 1: Get Input and Fetch a Webpage**

**Objective:** Learn how to take user input, create a URL, and fetch a webpage using requests

**Skills Covered:** input(), string formatting, requests.get()

**Instructions:**

1. Ask the user what product they want to search for
2. Construct a URL for Newegg search using that product
3. Fetch the page content and print the first 500 characters of the HTML

### **Task 2: Parse HTML with BeautifulSoup**

**Objective:** Learn how to use BeautifulSoup to parse HTML and extract elements

**Skills Covered:** BeautifulSoup, find, find\_all

**Instructions:**

1. Use BeautifulSoup to parse the page from Task 1
2. Find the <div> elements with class "item-cell"
3. Print the titles of the first 5 products

### **Task 3: Extract Prices and Links**

**Objective:** Learn how to extract additional product details like price and link

**Skills Covered:** HTML attributes, handling missing data, string manipulation

**Instructions:**

1. For each product, extract the link from the <a> tag
2. Extract the price from the <li> tag with class "price-current"
3. Handle cases where the price is not listed
4. Print each product’s title, price, and link

### **Task 4: Handle Pagination**

**Objective:** Learn how to find the total number of pages and loop through multiple pages

**Skills Covered:** HTML parsing, loops, dynamic URLs

**Instructions:**

1. Find the total number of search result pages using the class "list-tool-pagination-text"
2. Loop through all pages and extract product titles from each page
3. Print the total number of products found

### **Task 5: Complete Project**

**Objective:** Combine all the previous tasks into the final web scraper **Skills Covered:** Integration of input, parsing, loops, conditional logic, and file handling

**Instructions:**

1. Ask the user for a search term
2. Fetch all pages of results
3. Extract the title, price, and link for each product
4. Save the results to a text file named {search\_term}\_newegg.txt