TASK-3

Complete Web Scraper Code

import requests

from bs4 import BeautifulSoup

# URL of the web page you want to scrape

url = "https://realpython.com/beautiful-soup-web-scraper-python/" # Sample page from Real Python

# Send a GET request to the web page

response = requests.get(url)

# Check if the request was successful

if response.status\_code == 200:

# Parse the content of the web page

soup = BeautifulSoup(response.content, "html.parser")

# Extract the title of the page

title = soup.title.string

print("Page Title:", title)

# Extract all paragraph texts

print("\nParagraphs:")

paragraphs = soup.find\_all('p')

for idx, para in enumerate(paragraphs, 1):

print(f"{idx}. {para.text}")

# Extract all links

print("\nLinks:")

links = soup.find\_all('a')

for idx, link in enumerate(links, 1):

href = link.get('href')

if href:

print(f"{idx}. {href} - Text: {link.text}")

# Extract all images

print("\nImages:")

images = soup.find\_all('img')

for idx, img in enumerate(images, 1):

src = img.get('src')

alt = img.get('alt')

print(f"{idx}. {src} - Alt: {alt}")

else:

print("Failed to retrieve the web page. Status code:", response.status\_code)

**How to Run the Script**

1. Save the code to a file, e.g., web\_scraper.py.
2. Open your terminal or command prompt.
3. Navigate to the directory where you saved the script.

python web\_scraper.py