ASSIGNMENT

# PROG 301: Advanced Programming with Python and Scripting

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**Code:**

import urllib.request

import json

from bs4 import BeautifulSoup

import os

url = "http://example.com"

response = urllib.request.urlopen(url)

webContent = response.read()

soup = BeautifulSoup(webContent, 'html.parser')

data = {}

heding = soup.select\_one('h1')

data['title'] = [p.get\_text() for p in paragraphs]

paragraphs = soup.select\_one('p')

data['paragraphs'] = [p.get\_text() for p in paragraphs]

paragraphs = soup.select\_one('a')

data['link'] = [p.get\_text() for p in paragraphs]

json\_data = json.dumps(data, indent=4)

with open('output.json', 'w') as json\_file:

json\_file.write(json\_data)

file\_path = os.path.abspath('output.json')

print(f"Data saved to {json\_file}")

print(f"File is located at: {file\_path}")

print("Data has been written to output.json")

with open('output.json', 'r') as json\_file:

print(json\_file.read())

**Output:**

