Jadon Argo

Module 9 Assignment

7/26/25

1. API Connection Test (Google.com)

This program uses the requests library to send a GET request to <http://www.google.com>. The status code is printed to verify that the API connection works correctly. A successful connection returns a status code of 200.

import requests

response = requests.get('http://www.google.com')

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AI-generated content may be incorrect.print(response.status\_code)

1. Astronauts API – Raw + Formatted Output

This program connects to the OpenNotify API at <http://api.open-notify.org/astros.json> to retrieve a list of astronauts currently in space. It displays the raw JSON response and a formatted list showing each astronaut’s name and the spacecraft they are aboard.

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AI-generated content may be incorrect.

import requests

# Connect to OpenNotify API

url = 'http://api.open-notify.org/astros.json'

response = requests.get(url)

# Raw output

print("Raw Response:")

print(response.text)

# Formatted output

print("\nFormatted Astronaut Data:")

if response.status\_code == 200:

data = response.json()

print(f"Number of people in space: {data['number']}")

for person in data['people']:

print(f"{person['name']} on {person['craft']}")

else:

print("Failed to retrieve astronaut data.")

1. Bored API – Raw + Formatted Output

This program pulls a random activity from the Bored API and displays both the raw JSON and formatted activity suggestion.

<https://bored-api.appbrewery.com/>

This Python program connects to the Bored API endpoint

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AI-generated content may be incorrect.

import requests

# Connect to the Bored API

url = "https://bored-api.appbrewery.com/random"

response = requests.get(url)

print("==== Raw JSON Response ====")

print(response.text)

print("\n==== Formatted Activity Suggestion ====")

if response.status\_code == 200:

data = response.json()

activity = data.get("activity")

activity\_type = data.get("type")

participants = data.get("participants")

print(f"Activity: {activity}")

print(f"Type: {activity\_type}")

print(f"Participants: {participants}")

else:

print("Failed to retrieve activity.")