



Please commit your code for the following exercises to a single public GitHub repository.

JSON API Exercise 1

Write a Python script that:

- Sends a GET request to [https://jsonapiplayground.reyesoft.com/v2/authors?page\[size\]=10](https://jsonapiplayground.reyesoft.com/v2/authors?page[size]=10)
- Parses the JSON response
- Prints a list of dictionaries containing:
 - o Each author's name in a "name" key
 - o The number of books they have written in a "book_count" key

JSON API Exercise 2

Write a Python script that:

- Pages through the endpoint below
- Extends an `author_list` variable with each page of author data
- Stops paging when *either*:
 - o There are no more authors
 - o 15 pages have been processed
- Tells the user which condition above stopped the loop
- Prints the `author_list` variable

Starting endpoint: [https://jsonapiplayground.reyesoft.com/v2/authors?page\[size\]=10&page\[number\]=1](https://jsonapiplayground.reyesoft.com/v2/authors?page[size]=10&page[number]=1)

JSON API Exercise 3

Write a Python function that:

- Accepts an `author_id` parameter
- Sends a GET request to `https://jsonapiplayground.reyesoft.com/v2/authors/{author_id}`
- Parses the JSON response
- Returns a single dictionary containing:
 - o The author name in a “name” key
 - o The number of books they have written in a “book_count” key
- Raises a meaningful exception if the `author_id` is not found

For bonus points, write a unit test to prove that your function raises the expected exception if `author_id` is not found. ***You will need to mock the API response to achieve this.***