

ITMD:469/569 - WEEK 5 LAB 1

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Lab Summary

The overall goal of this project is to retrieve information about every country using a free and public API, specifically, the Countries API available at <https://api.sampleapis.com/countries/countries>. You will be asked to sort this information to provide a list of every country's data sorted based on a chosen criterion, like the population.

This lab specifically will show that you understand how to parse a JSON response from a remote API into a Go struct. You will retrieve a JSON response for every country in the world, and parse it into a CountryInfo struct.

Steps

1. The endpoint you need is "https://api.sampleapis.com/countries/countries". It returns data for all countries.
2. Use the sample JSON structure provided to create a struct to store the returned Country information.

You can use the online tool [JSON-to-Go](#) to help in creating the Go structs needed to parse this JSON. Simply copy paste the full JSON response into it and it will provide you with the correct Go struct.
3. Make a HTTP GET request to the endpoint and Unmarshal the response body (the returned country data) into your struct. Make sure you convert the response body to bytes beforehand.
4. Print out the Name, Population, and Capital of each country to the console.

Submission

Please compress your source code into a ZIP file and upload it to Blackboard. Additionally, attach a separate screenshot demonstrating your code running successfully.