Assignment-4

1. There is a JSON file within this zip containing weather data. Please write a python program that would parse data from this JSON file and dump it into a Relational Database of your choice.
Try to understand the structure of data in the file and design a schema for the database accordingly.

Remember, It is a JSON file, but the data inside it is not necessarily a proper JSON data.

2. Design a web app using python flask framework that offers a frontend "form" interface to the user to enter the product details and collects these data in the backend, process and commits these data into an Elasticsearch index. The type of product is of your choice.

Make sure you play enough with elasticsearch and its environment before you implement a solution for this task.

3. Update the webapp you designed and implemented in the above task to offer another frontend (do not replace existing interface that allows users to enter product details) that takes a product name as input, query the same elasticsearch index you created in above task for the product and returns the product details as response if the detail exists.

You can merge solution to both 2nd and 3rd task and submit a single web app as a solution.
For elasticsearch instance, you can host it in your local and use for the implementation. We will figure out a way to evaluate it once you submit the code.