OFWA was provided with a dataset on illegal small-scale mining activities (Galamsay) in Ghana. The dataset is stored in a CSV file galamsay\_data.csv, and your task is to analyse the data, build a RESTful API to expose the analysis results, write tests to ensure the correctness of your code and use Git for version control.

**Calculate the following:**

* Total number of Galamsay sites across all cities.
* Region with the highest number of Galamsay sites.
* List cities where the Galamsay sites exceed a given threshold (e.g., 10).
* Average number of Galamsay sites per region.
* **Upon analyzing the data, save the csv file and the results to a database and expose an API to provide access to the analysis results. Treat this as a separate process, functioning as a log to store all analysis records in the database.**

**Guidelines**

1. Code Quality:

- Use functions to modularize your code.

- Include comments to explain your logic.

- Handle potential errors (e.g., file not found, missing data).

2. Testing:

- Ensure your test cases cover all functions and edge cases.

- Run your tests and ensure they pass before submitting.

3. Git Usage:

- Make meaningful commit messages.

- Include at least 3 commits in your Git history.

4. README.md:

- Explain how to set up and run your script.

- Include instructions for running the tests.

Submission

A [link to a remote Git repository](https://forms.gle/TKsreZN2GTecjL5W7) if using GitHub/GitLab) by **noon of February 1, 2025**.