

Objective

Write a utility to analyze all git repositories in a directory, compute various analysis and build visualizations

Input

- Path to the root directory
- Email

The directory can contain multiple git repositories underneath.

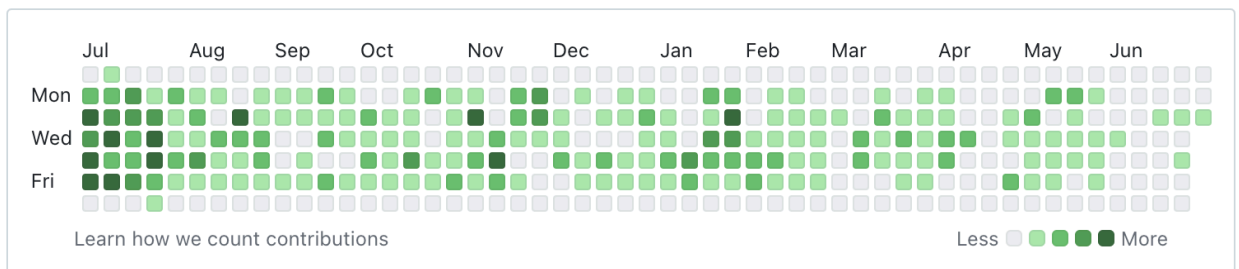
Output

When executed, the utility should find contributions in all repositories by the user matching with the email input and produce HTML pages with following details:

- Contribution graph as shown in github for the user matching email provided in the input, for the last year

1,100 contributions in the last year

Contribution settings ▼



- **Statistics (For current year, and Lifetime)**
 - Number of contributors
 - Top 2 contributors
 - Rank of the user specified in the input based on number of contributions

The utility should generate set of HTML pages:

- **all-repositories.html** - Should display contributions made by the user among all repositories
- **{repository-name}.html** - Should display contributions made by the user in a specific repository

Share repositories with **rparakhiya** in github

Additional Enhancements:

IMPORTANT: Do not start on this until you are finished with the above. Inform before you start working on this.

- Performance optimization - improve performance of scan, subsequent scans especially