a. You need to create a new public repository on GitHub, named **MLOps-Jan2025**.

b. Clone this repository to your local system.

c. Add a file named **example.txt** to the repository, and commit the changes with a proper commit message.

d. Create two new branches. If your roll number is **M___X**, name one branch **M___X-1** and the other **M___X+1** (e.g., for roll number M___001, you would create branches M___000 and M___002).

e. In the **X+1** branch, modify the content of the existing file. In the **X-1** branch, replace the content entirely. Commit these changes, then take a screenshot of the output of the following command: **git log --graph --oneline** and include it in your report.

f. Merge both branches into the main branch, resolving any conflicts if they arise. Take another screenshot of the output of the command: **git log --graph --oneline** and add it to your report.

g. Push all changes to your GitHub repository.

Submission:

a. Provide the GitHub link to your repository in the report.

b. Write a report describing the process you followed, any challenges faced, and how you resolved them. Include the screenshots taken in steps e) and f)

Note:

a. Submit a single report named **YourRoll_No.pdf**. Make sure the report is concise and includes all required screenshots.

b. You will be graded based on your efforts, e.g. for GitHub, one can try deletion, then recovering back the branch, tagging, in such cases do add the screenshots in the report.