GIT

Git (Global Information Tracker). Git is a distributed version control system (VCS) designed to handle everything from small to very large projects with speed and efficiency. It tracks changes to files, allowing multiple developers to collaborate on a project by managing code versions and changes effectively.

GIT HUB

GitHub is a Source code management (SCM). GitHub is a popular platform for hosting and managing code repositories. It is built on top of Git, a version control system, and provides a collaborative environment where developers can store, track, and manage their code projects.

Version Control:

 GitHub uses Git to track changes in code. This makes it easy to revert to previous versions or collaborate on projects without conflicts.

Collaboration:

 Developers can work together on projects by creating branches, making changes, and merging updates. Tools like pull requests allow for code reviews and discussions before changes are integrated.

Hosting:

• GitHub provides cloud-based storage for repositories, making them accessible from anywhere.

Open Source:

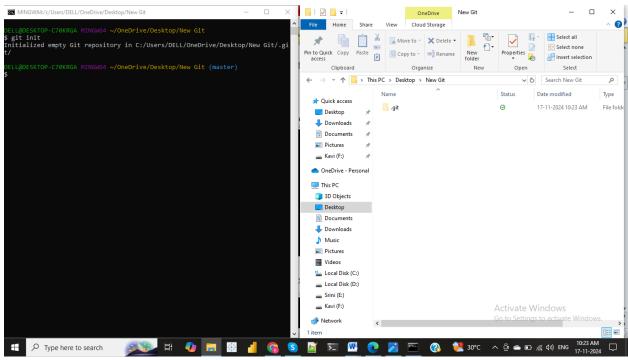
 Many open-source projects are hosted on GitHub, enabling contributors from around the world to collaborate.

CI/CD Integration:

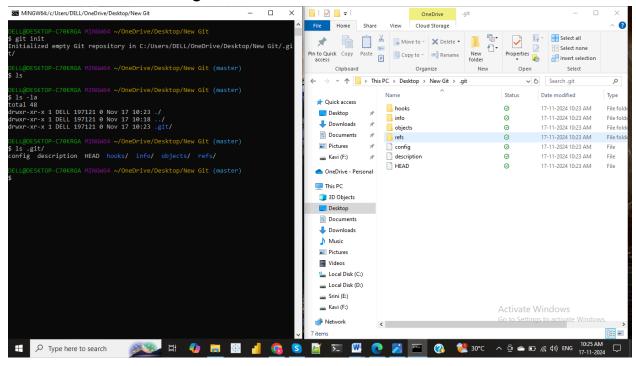
 GitHub Actions allow developers to automate workflows, like testing and deploying code, making it suitable for DevOps practices.

GIT TASK:

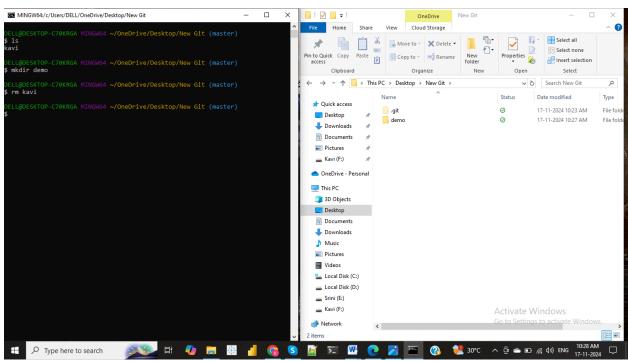
Installed gitCreate empty repo in folder



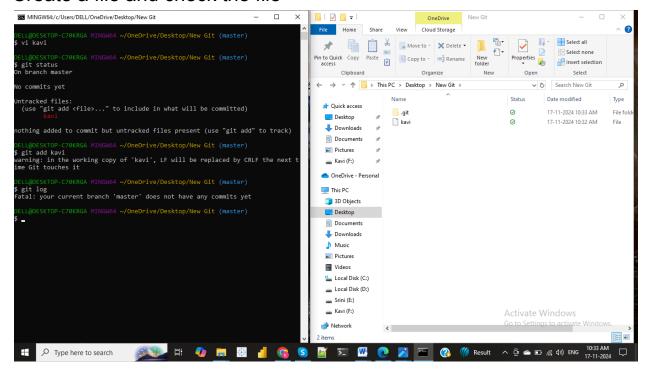
To check the lists of .git



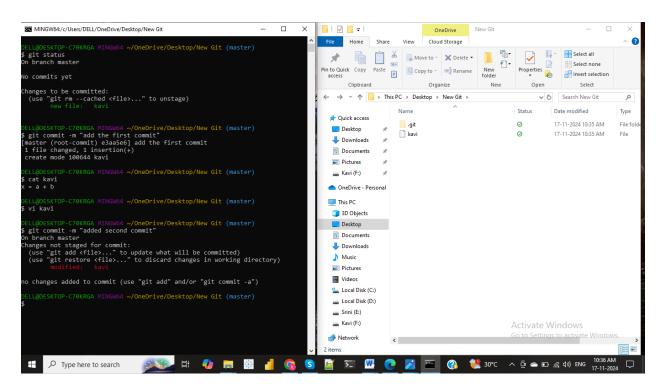
Create a folder



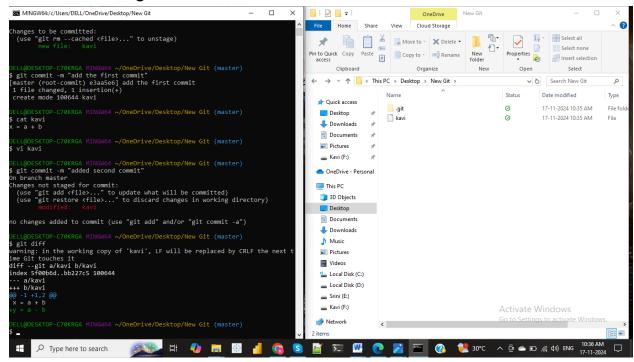
Create a file and check the file



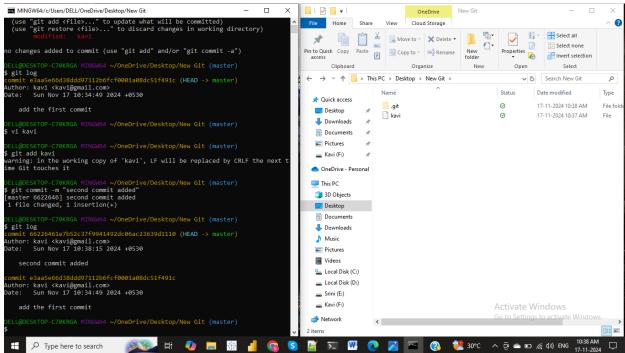
Edit the file and check status and added second commit



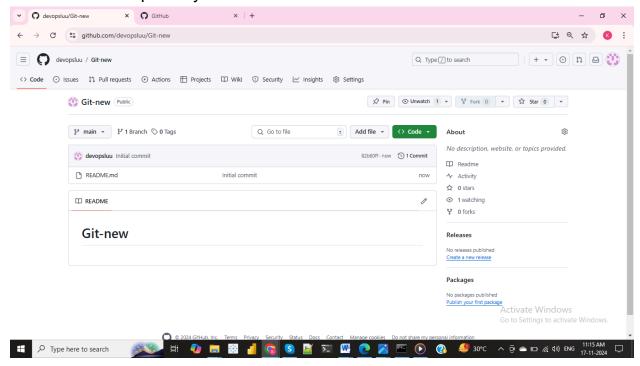
To check changes are made in file



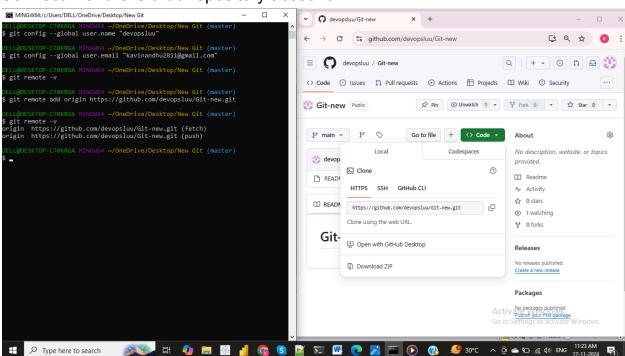
Adding the new line in file and check the git log



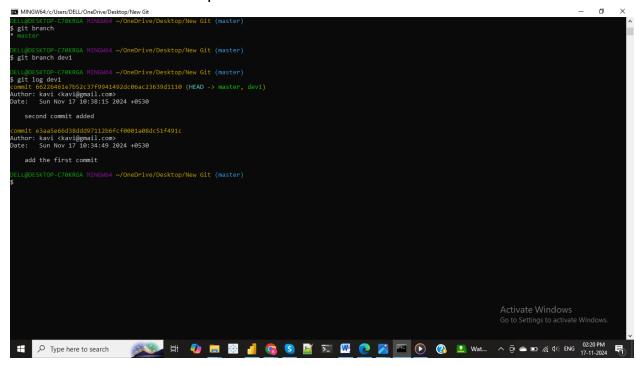
Created a new repository in GitHub account

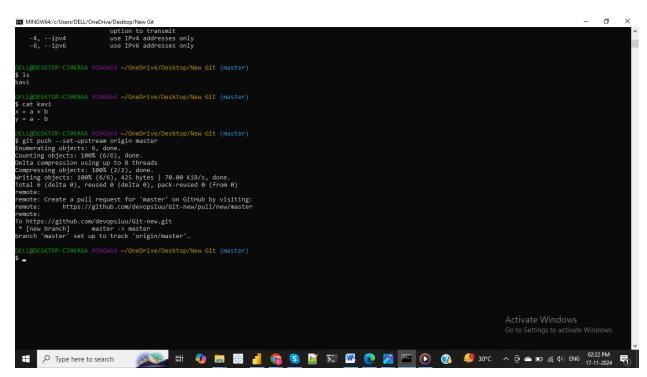


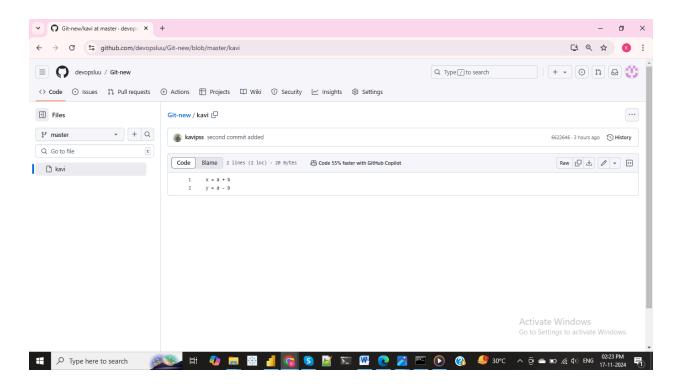
Connect with the Github repository account



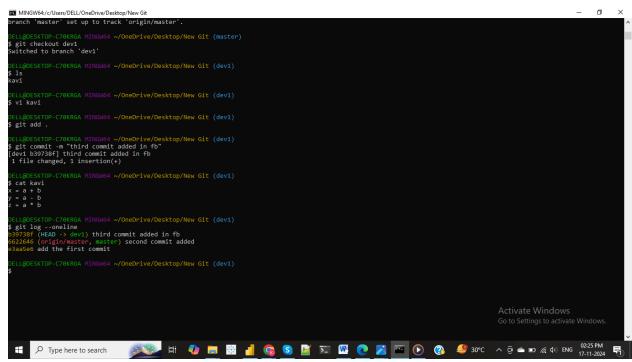
Create a new branch and push the file into Github



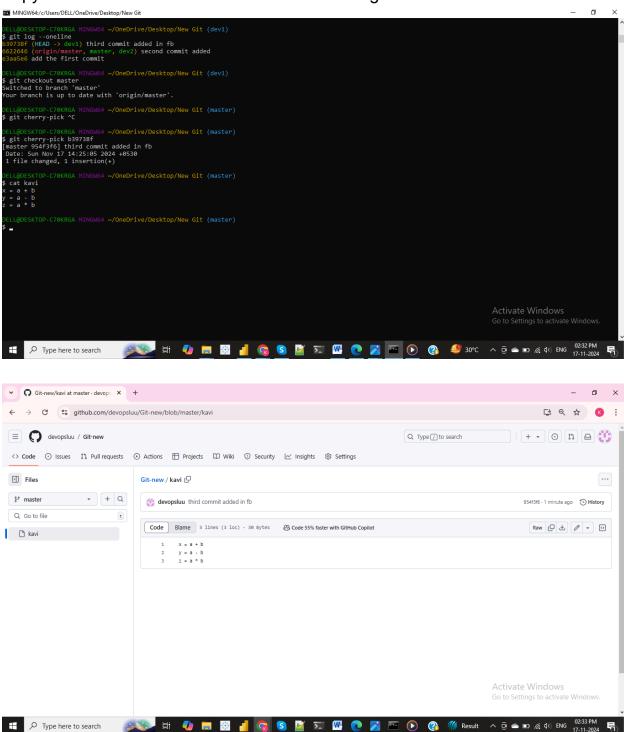




Create a new feature branch from master branch in that edited the file and added 3rd commit.



Copy the last commit from dev1 branch and merge with master branch



Create another branch dev2 and pushed to Github

