Software Engineering and Project Management

EXPERIMENT 2

EXPERIMENT – 3

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Batch: T21

Roll No: 87

AIM:

To Perform various GIT operations on local and Remote repositories using GIT Cheat Sheet

THEORY:

Git is a distributed version control system (DVCS) that helps developers track, manage, and collaborate on code changes efficiently. It allows you to maintain a complete history of your code, revert to previous versions, and work seamlessly with other developers. Designed for projects of all sizes, Git ensures speed and reliability.

Key Git Operations:

• **Initialize** (git init) – Creates a new Git repository in the specified directory.

• Add (git add) – Stages changes, preparing them for the next commit.

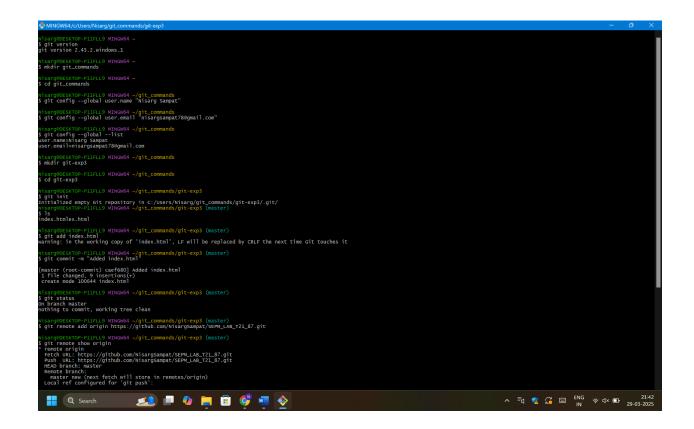
• **Commit (git commit)** – Saves staged changes with a message, creating a version checkpoint.

• **Pull (git pull)** – Fetches and merges updates from a remote repository into the local one.

 Push (git push) – Uploads committed changes from the local repository to a remote repository.

Git simplifies code management, making collaboration and version control seamless.

OUTPUT:



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CONCLUSION:

Thus, we have successfully studied and performed various GIT operations on local and Remote repositories using GIT Cheat-Sheet.