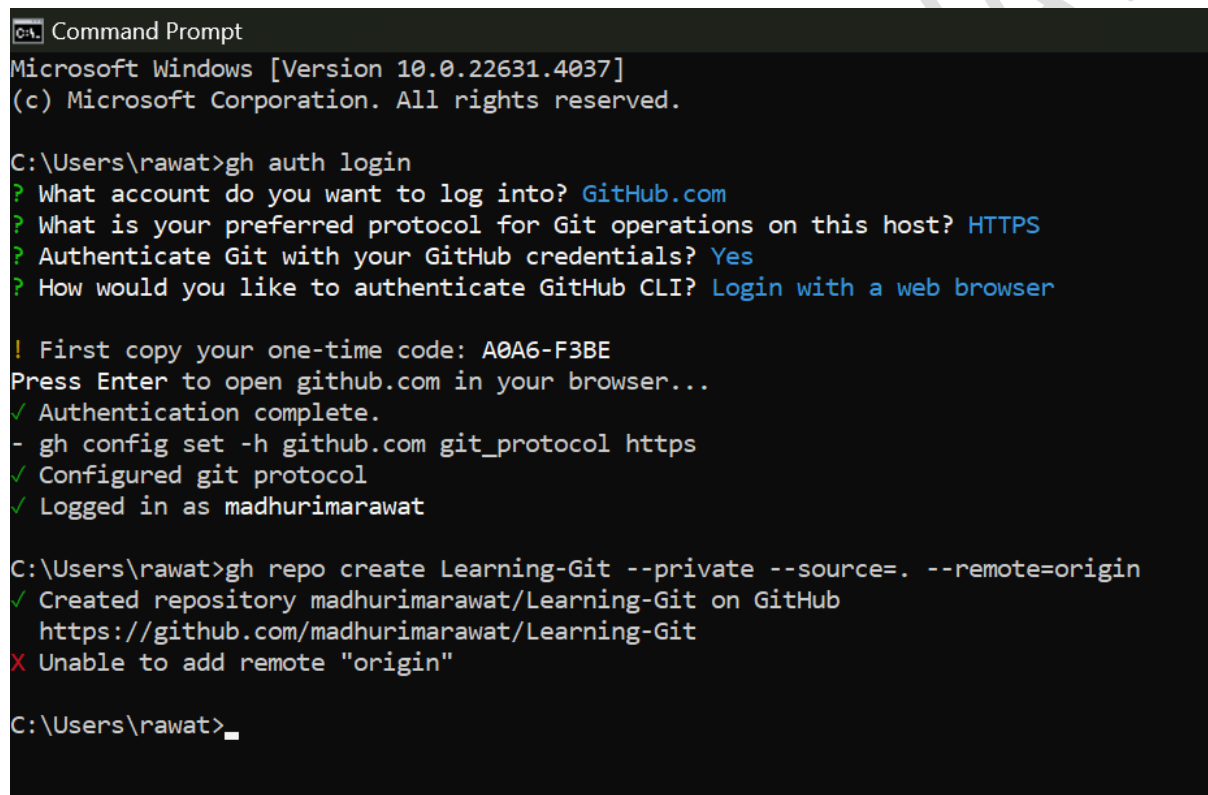# *Experiment 2*

Aim: Version Control with Git: Practice basic Git operations such as repository creation, file addition, committing changes, and pushing to a remote repository.

1. Creating Repository:

After installing the GitHub CLI, run the following command to create a new private GitHub repository named Learning-Git and set it as the remote origin:

gh repo create Learning-Git --private --source=. --remote=origin

Fig 1: Creating GitHub Repository Using GitHub CLI

2. Creating a local repository and pushing changes to GitHub Using Git:

Start by initializing a new Git repository locally with **git init**, then add your files using **git add .** .

Commit the changes with **git commit -m "Initial commit"**. Finally, link to a remote GitHub repository with git remote add origin **https://github.com/madhurimarawat/Learning-Git.git** and push the changes using **git push -u origin main**.

Fig 2: Making Local Repository

Fig 3: Pushing Files and Making Changes

Fig 4: Committing Changes to Remote Repository
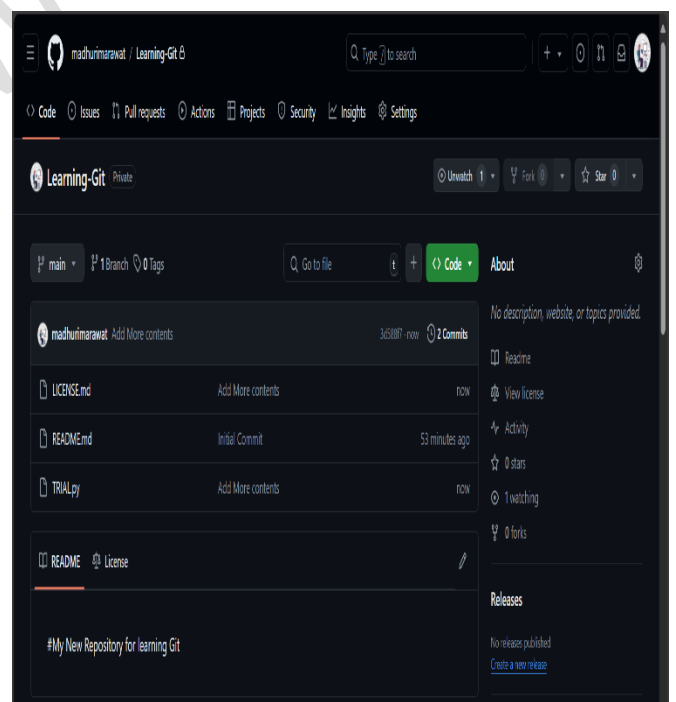
Fig 5: Repository Updated With Changes