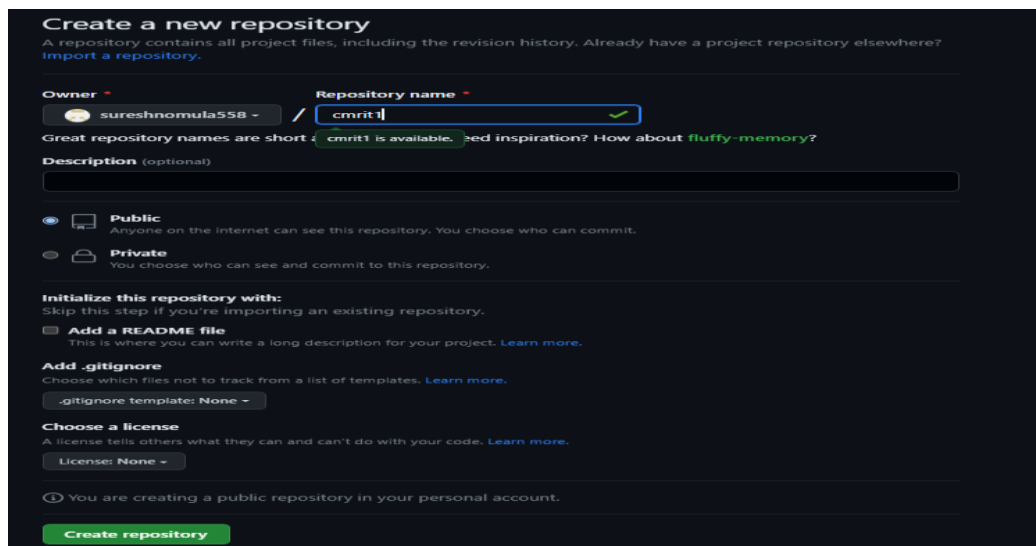


EXPERIMENT 10

AIM : Demonstrate version control in Git and Github.

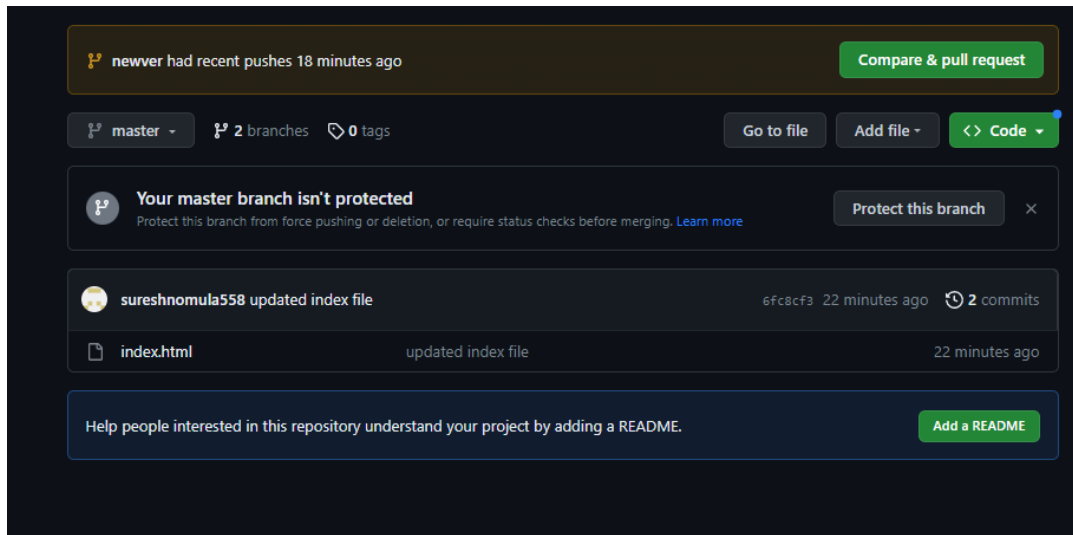
ALGORITHM :

1. Complete the registration in Github by using your email id.
2. Install git in your system.
to know the status of git run the command
`git status`
3. Create your github email id by using the following command
`git config --global user.email "you@example.com"`
4. Create your user name by using
`git config --global user.name "Your Name"`
5. Create a new project in your system and initialize the folder in git, open your folder path in CLI (cmd) and run the command
`git init`
6. After initializing create the three html files in that folder, file names are index.html, home.html and registration.html.
7. In that first add the index.html from your working directory to staging area by using the command
`git add index.html`
check the status run the command
`git status`
8. After that move your file to staging area to local repository by using the command
`git commit -m "to know the changes to others"`
9. Move from your local repository to remote repository, first you have to create the new repository.



The screenshot shows the GitHub 'Create a new repository' interface. At the top, it says 'Create a new repository' and provides a link to 'Import a repository'. Below this, there are fields for 'Owner' (sureshnomula558) and 'Repository name' (cmrit1). A message indicates that 'cmrit1' is available. There is a text area for 'Description (optional)'. Below the description, there are radio buttons for 'Public' (selected) and 'Private'. Underneath, there is a section 'Initialize this repository with:' with a checkbox for 'Add a README file'. Below that, there is a section 'Add .gitignore' with a dropdown menu showing '.gitignore template: None'. Then, there is a section 'Choose a license' with a dropdown menu showing 'License: None'. At the bottom, there is a green button labeled 'Create repository'.


10. Select create repository you will get remote origin link. By help of this link you can establish connection between your local repository to remote repository.
git remote add origin <https://github.com/sureshnomula558/cmrit1.git>
11. To deploy your original code in main master that is master(master is your main branch) to know your main branch run the command
git branch
for deploying your project or repository in your github run the command
git push -u origin master






CREATING VERSION CONTROL SYSTEM


12. Create new branch (means copy of your project or new version) by using the command
git checkout -b "newver"
13. After creating the new branch add the remaining files to staging area
git add home.html
git add registration.html
14. Move files from your staging area to local repository by using
git commit -m "new version of project"
15. Finally you have to move your new project or version to new branch by using
git push --set-upstream origin newver
16. New version and new branch will be created in your github repository.




Final Output

 newver had recent pushes 19 minutes ago [Compare & pull request](#)

 newver  2 branches  0 tags [Go to file](#) [Add file](#) [Code](#)

This branch is 1 commit ahead of master. [Contribute](#)

 sureshnomula558 new version of project 6112385 19 minutes ago 3 commits

 index.html	updated index file	23 minutes ago
 login.html	new version of project	19 minutes ago
 reg.html	new version of project	19 minutes ago

Help people interested in this repository understand your project by adding a README. [Add a README](#)