**KGiSL MICROCOLLEGE, Coimbatore – 641035.**

**Software Programming**

**Git & GitHub practice**

Step 1: Git Download

<https://git-scm.com/downloads>

Choose windows

<https://git-scm.com/download/win>

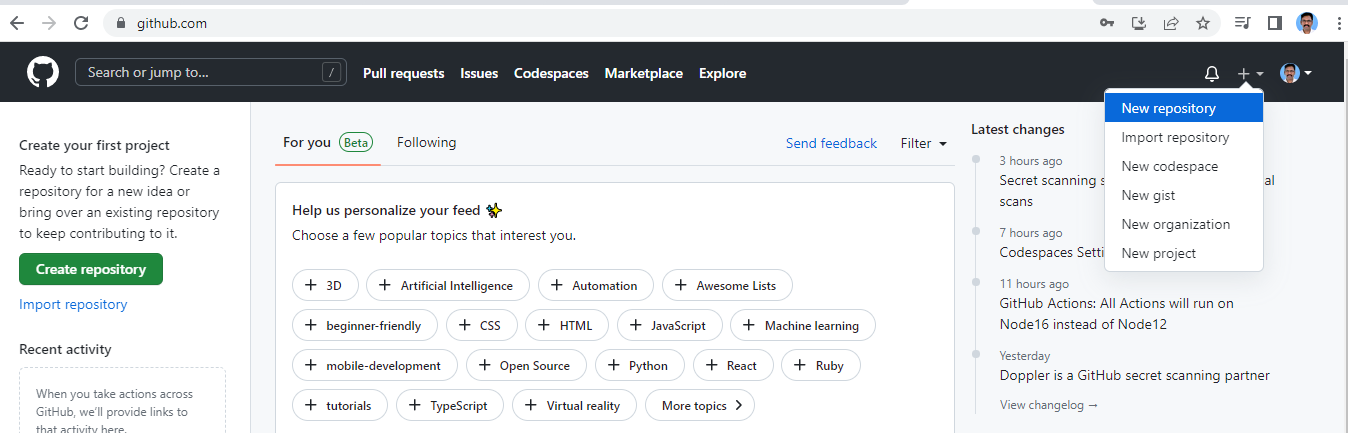
[**64-bit Git for Windows Setup**](https://github.com/git-for-windows/git/releases/download/v2.40.1.windows.1/Git-2.40.1-64-bit.exe)**. – click**

**Step 2: Goto** <https://github.com/>

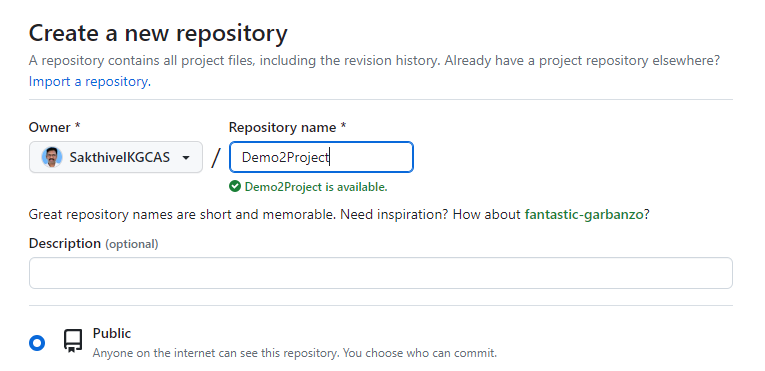
**For new registration: SignUp**

**Step 3: Click Sign in to GitHub**

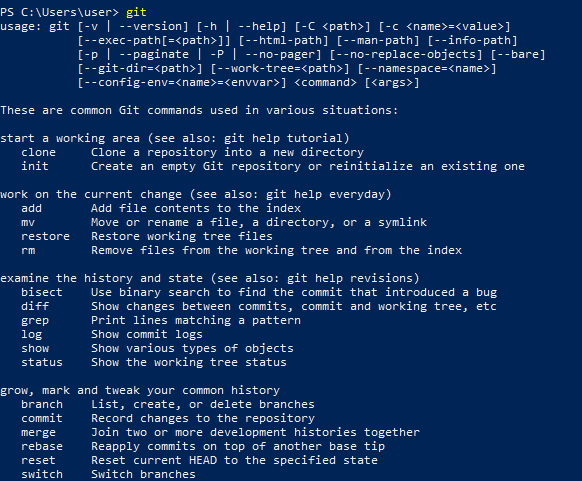
**Step 4: Create a repository**

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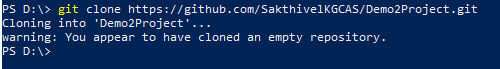
**Step 5: Give the name of the repository and make public accessible.**

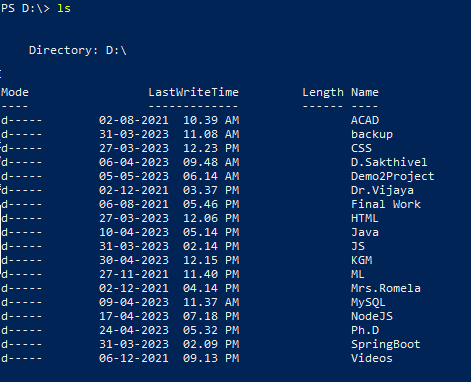
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**Step 6: Open Windows PowerShell and check the git is installed or not.**

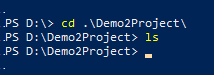
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**Step 7: To use git clone command to clone your empty project to work in local.**

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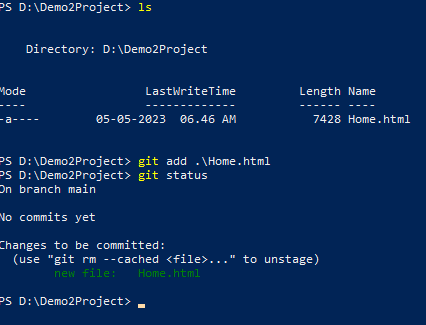
**Step 8: Get into the Demo2Project directory**

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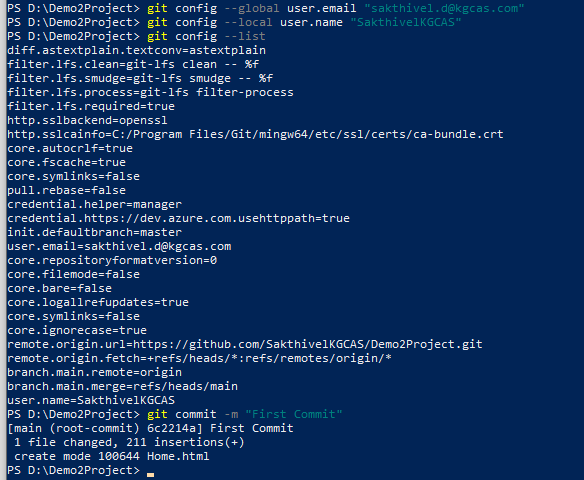
**Step 9: To open VS code editor in the same Demo2Project folder**

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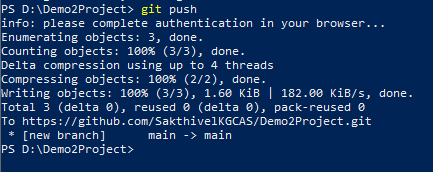
**Step 10: To add file to local Git local repository for tracking**

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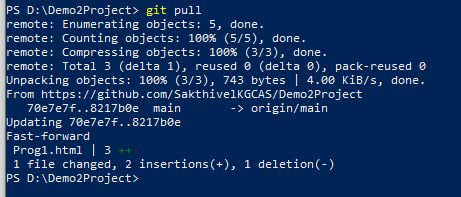
**Step 11: Set email and user name for git identification and apply for commit.**

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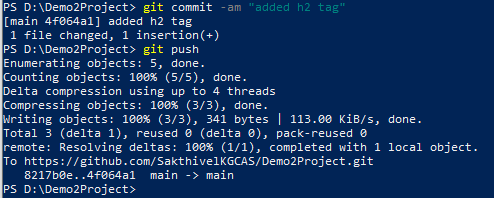
**Step 12: git push to global repository**

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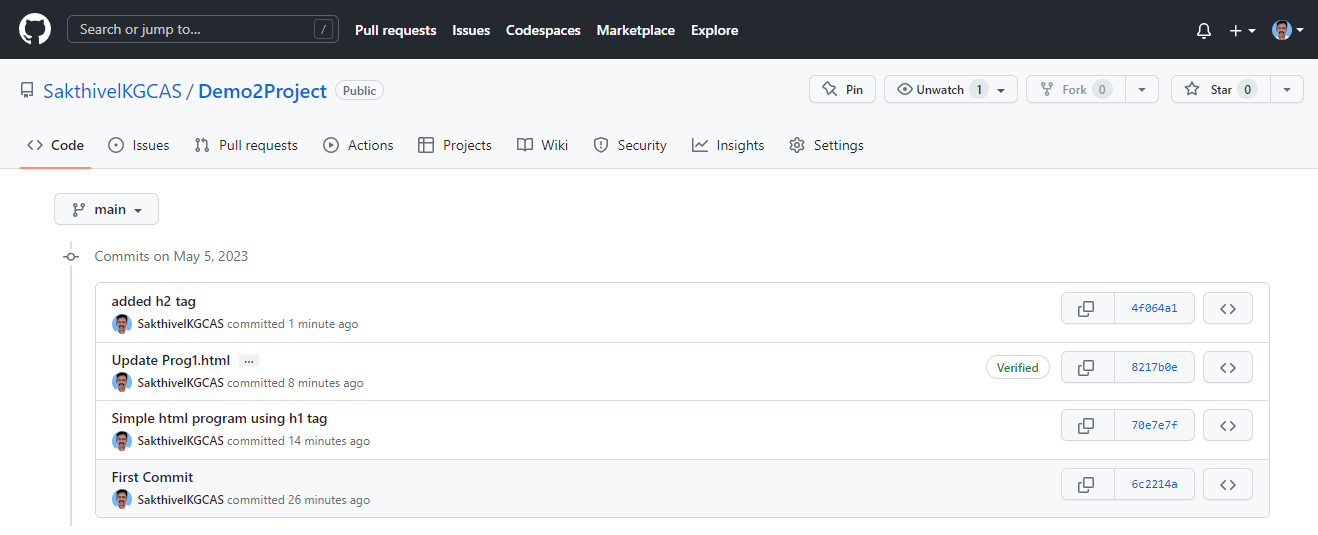
**Step 13: git pull command to bring your file from global repository to local repository**

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**Step 14: After updating all your necessary code to commit and push to global repository**

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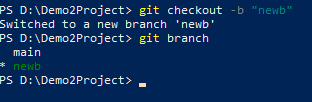
**You can see all your commits in the GitHub**

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**Step 15: Working with branch \* indicates you are in the current branch**

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**Step 16: To create a new branch without affecting the main branch**

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**Step 17: Apply any code and commit in new branch**

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**Step 18: Come to main branch**

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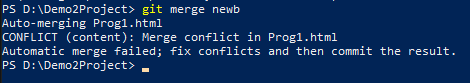
**Step 19: Do some changes in code if required and apply commit**

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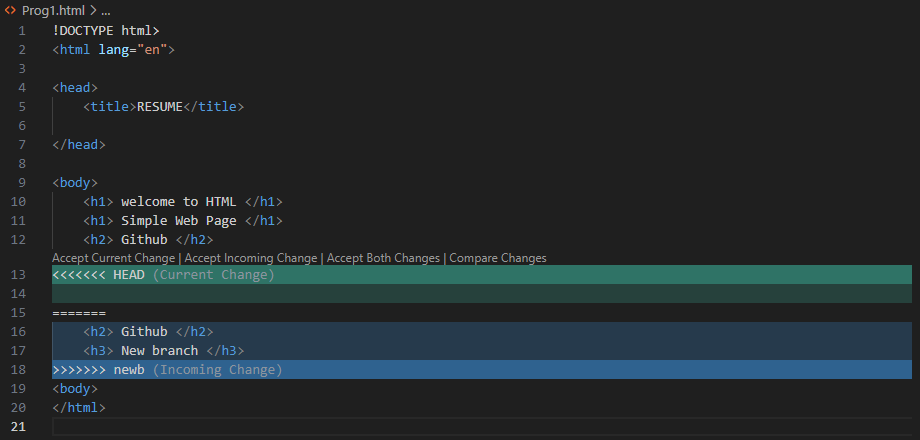
**Step 20: To get into newb (new branch)**

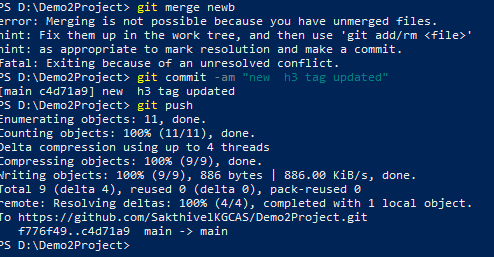
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**Step 21: To switch to main branch then merge the newb (new branch) with it.**

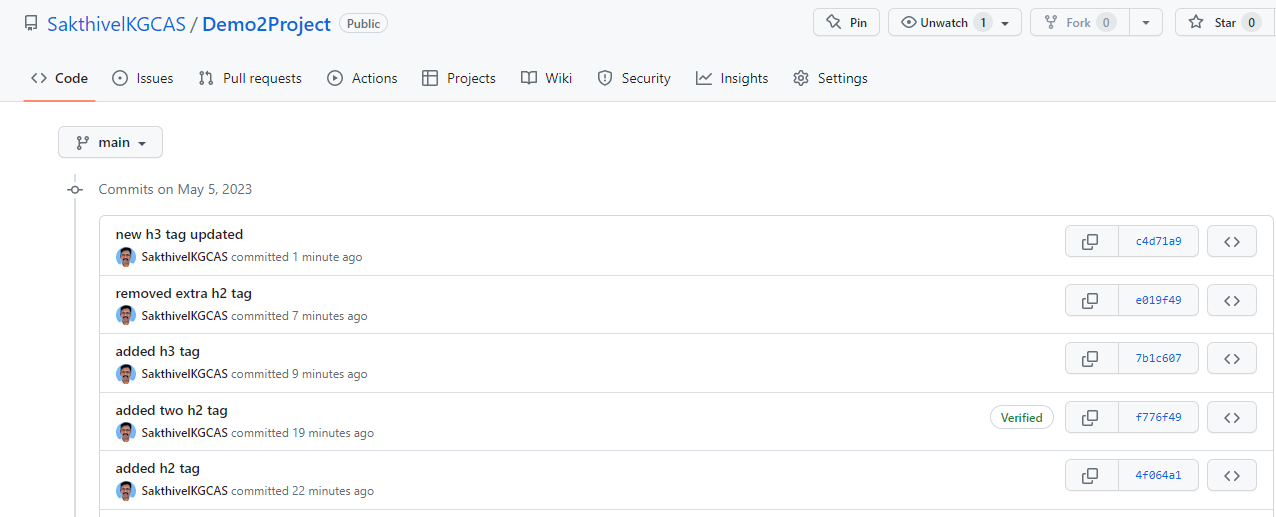
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**It shows merge conflict, remove whichever the code not necessary within <<<< global and >> local commands**

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**Finally, open GitHub see all your commits.**

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