

Module 5: Using Git in IDE

Demo1: Configuring VSCode with git plugin.

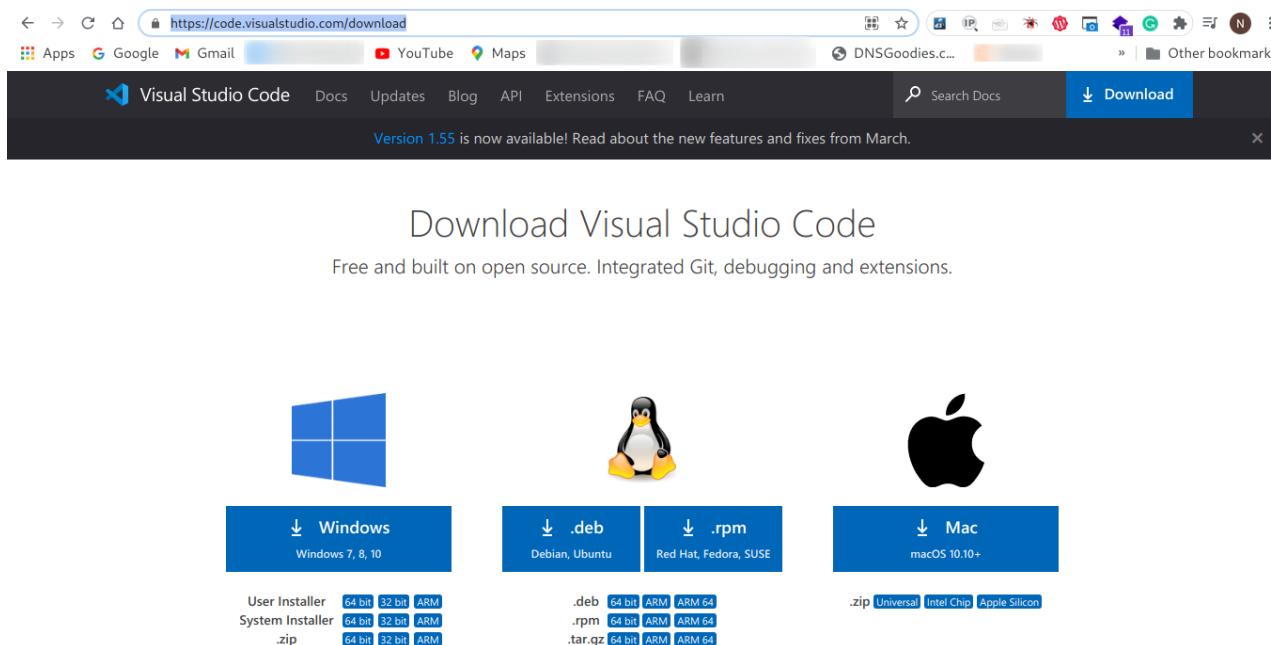
Problem Statement:

How can we configure VSCode with git plugin?

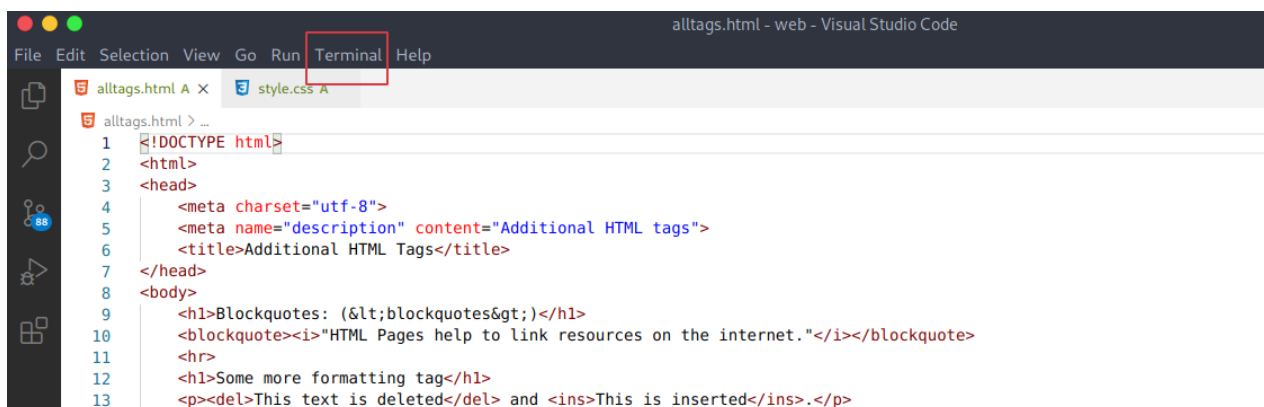
Solution:

NOTE: Here I am not using any command because commands are similar as discussed into Module 1 and Module 2. So, here I will show how to manually configure the git into VSCode.

Step 1: In This demo, we will configure VSCode with the git plugin, for this first install VSCode in your system. For that go to this website <https://code.visualstudio.com/download>. and choose your operating system in which you want to install VSCode. For me, I am using Linux so I will choose the Linux one VSCode.



Step 2: After installation is completed, let us open VSCode. Now click on “Terminal” and open VSCode terminal.



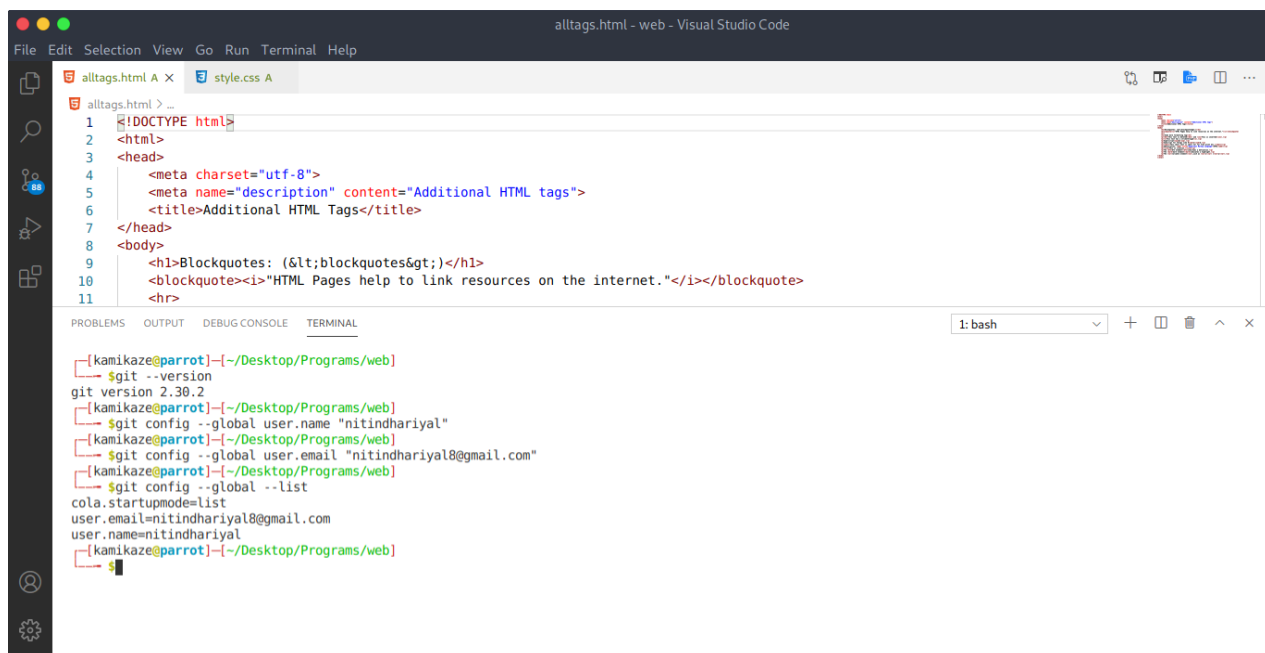
Step 3: Now, let us check our git version and add our username and email from VSCode terminal, and then list them out:

Command Used: git --version

Command Used: git config --global user.name "Yourusername"

Command Used: git config --global user.email "YourEmail"

Command Used: git config --global --list



The screenshot shows the Visual Studio Code interface. The editor window displays a file named 'alltags.html' with the following content:

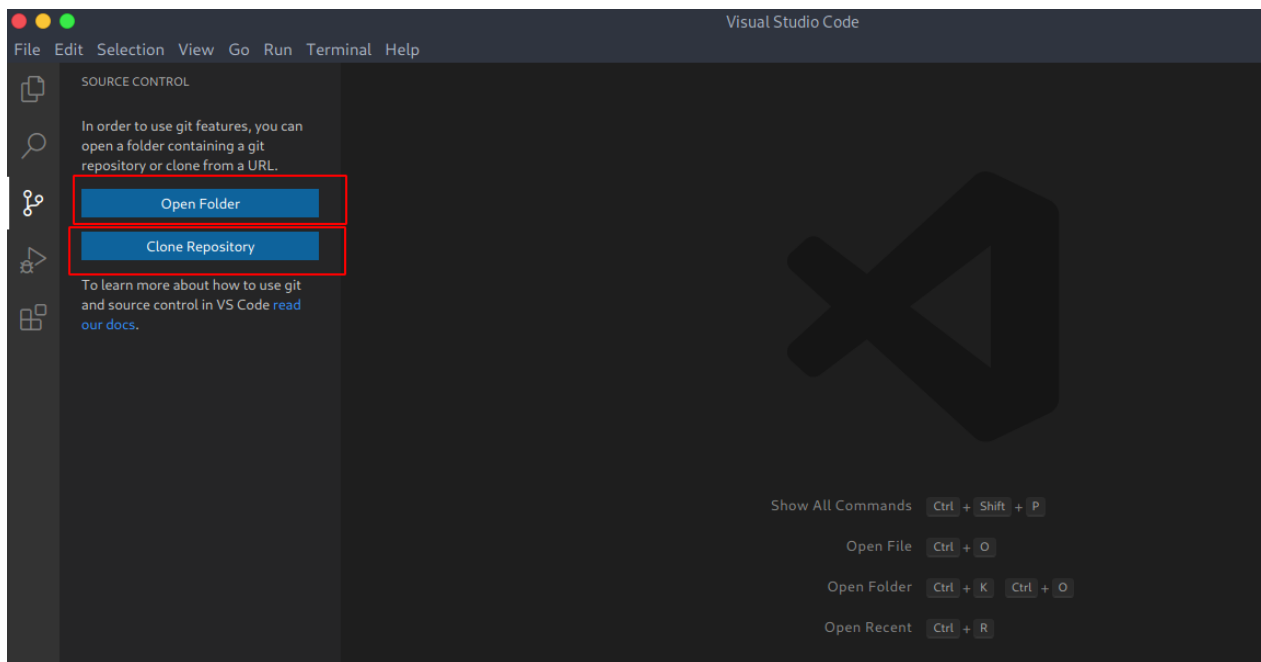
```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta charset="utf-8">
5   <meta name="description" content="Additional HTML tags">
6   <title>Additional HTML Tags</title>
7 </head>
8 <body>
9   <h1>Blockquotes: (&lt;blockquote&gt;)</h1>
10  <blockquote><i>"HTML Pages help to link resources on the internet."</i></blockquote>
11  <hr>
```

The terminal window at the bottom shows the following commands and output:

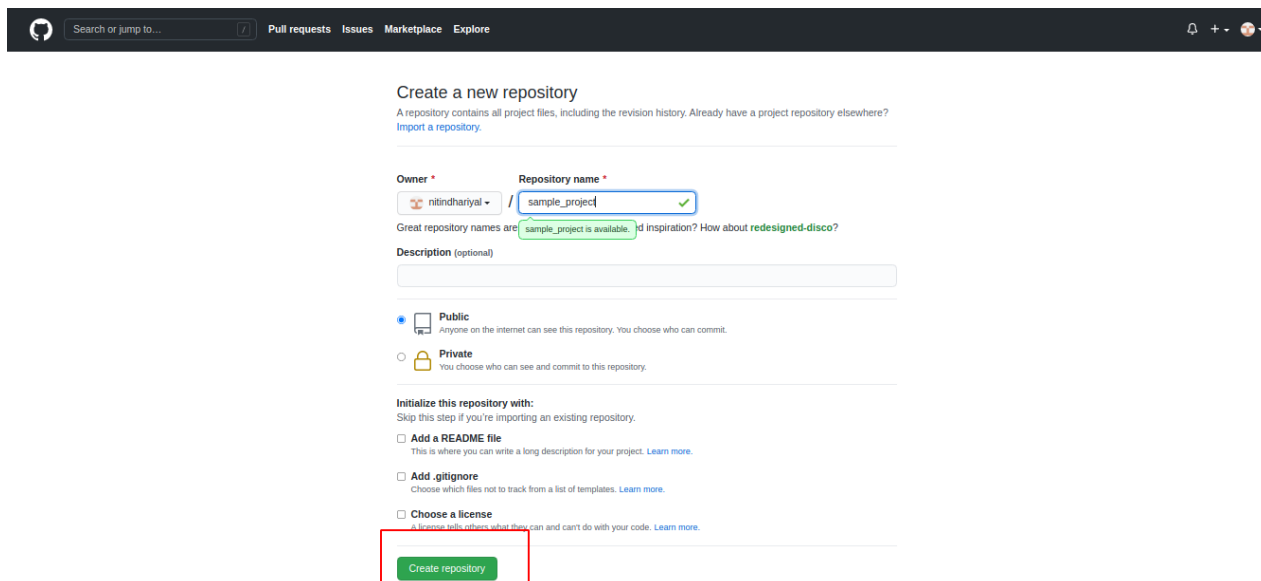
```
[kamikaze@parrot]~/Desktop/Programs/web
$ git --version
git version 2.30.2
[kamikaze@parrot]~/Desktop/Programs/web
$ git config --global user.name "nitindhariyal"
[kamikaze@parrot]~/Desktop/Programs/web
$ git config --global user.email "nitindhariyal8@gmail.com"
[kamikaze@parrot]~/Desktop/Programs/web
$ git config --global --list
cola.startupmode=list
user.email=nitindhariyal8@gmail.com
user.name=nitindhariyal
[kamikaze@parrot]~/Desktop/Programs/web
$
```

Step 4: Let us create a local git repository here, by clicking on "Open Folder" or we can clone a repository by clicking on "Clone Repository". Open Folder will open your local Folder whereas, clone repository will cone a repository.

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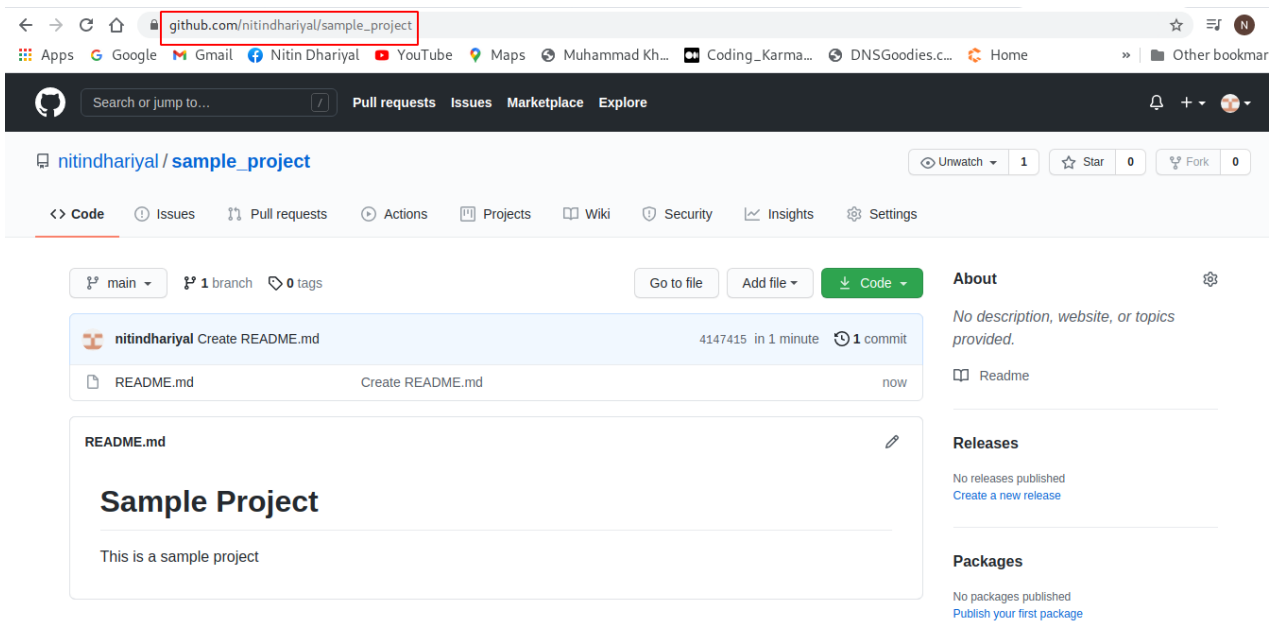


Step 5: Open GitHub and create a new repository here (We have showed how to create GitHub account in pervious module's demo). Let us open GitHub and make one fresh repository here.

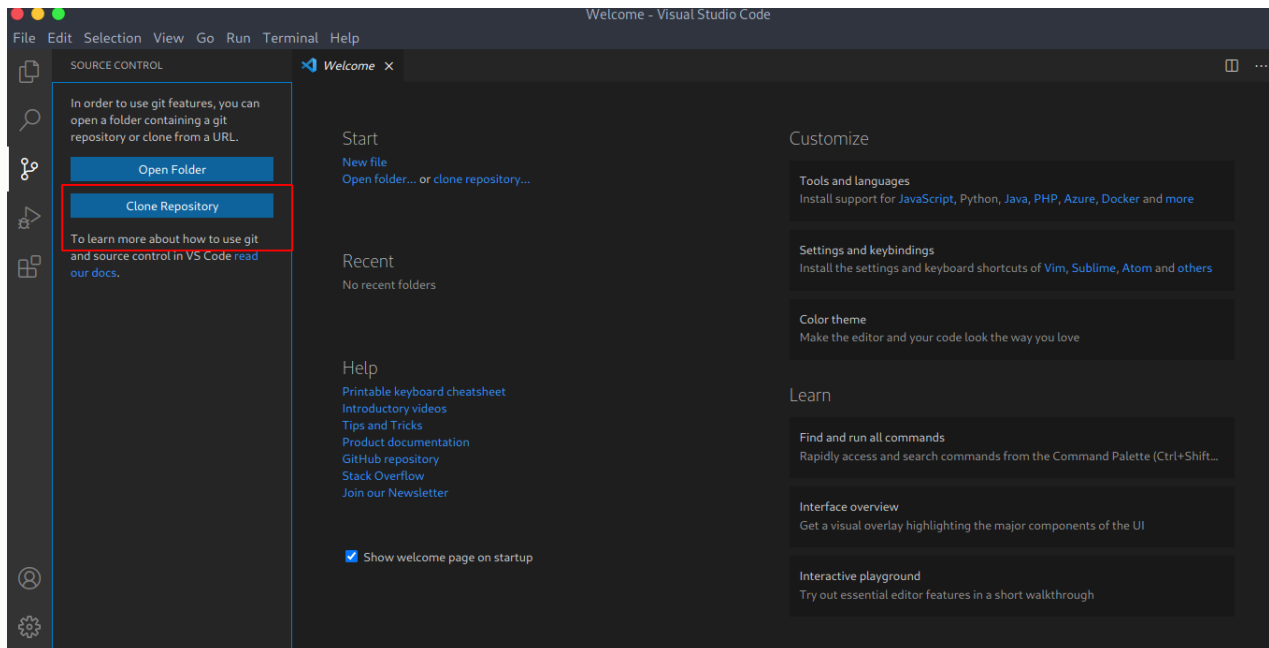


Step 6: Let us make some changes into this repository for that we must copy the link of that repository which we want to change.

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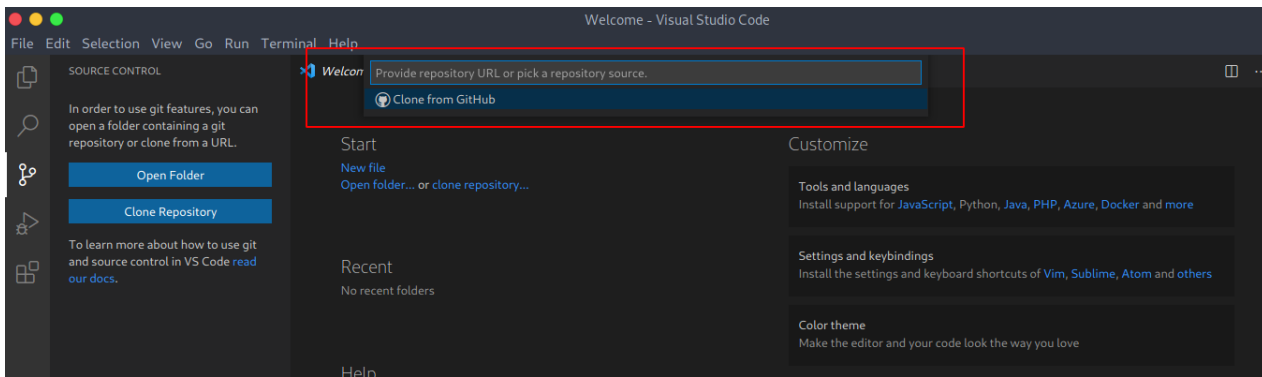


Step 7: Open, VSCode and click on clone repository.

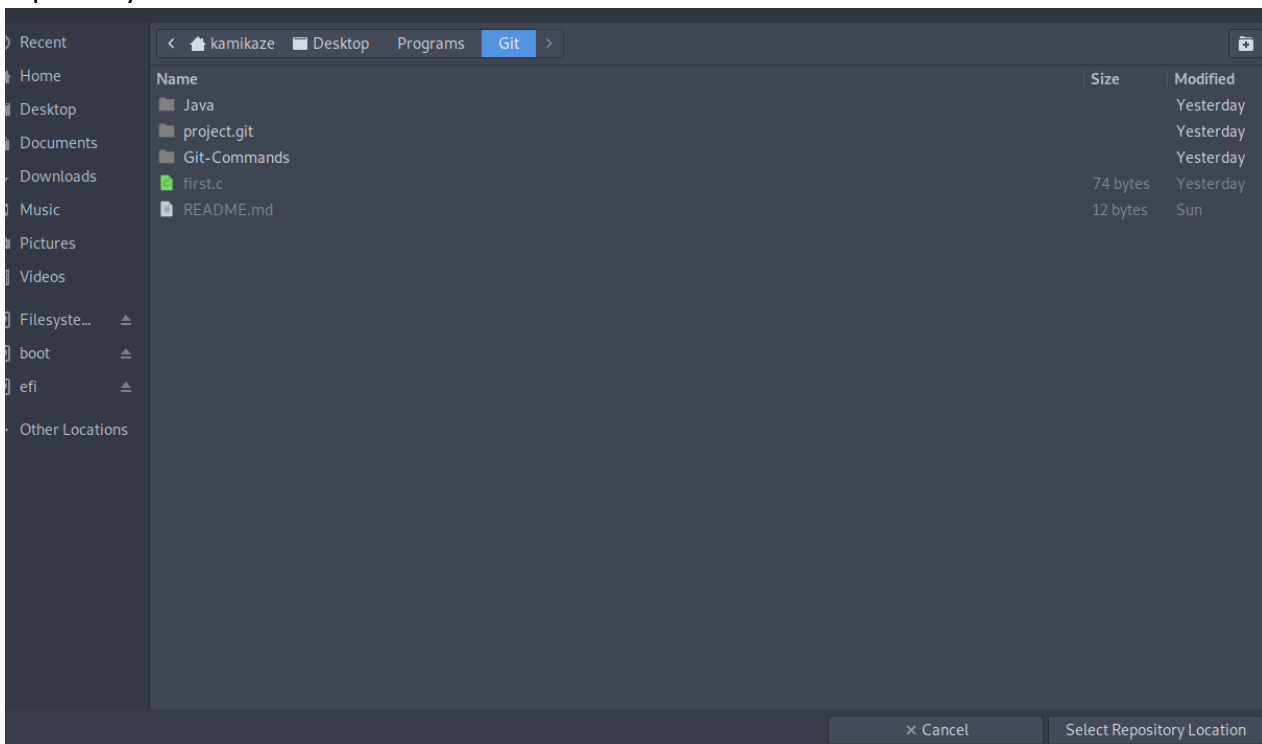


Step 8: Paste your GitHub repo link which you copied and paste it on the status bar.

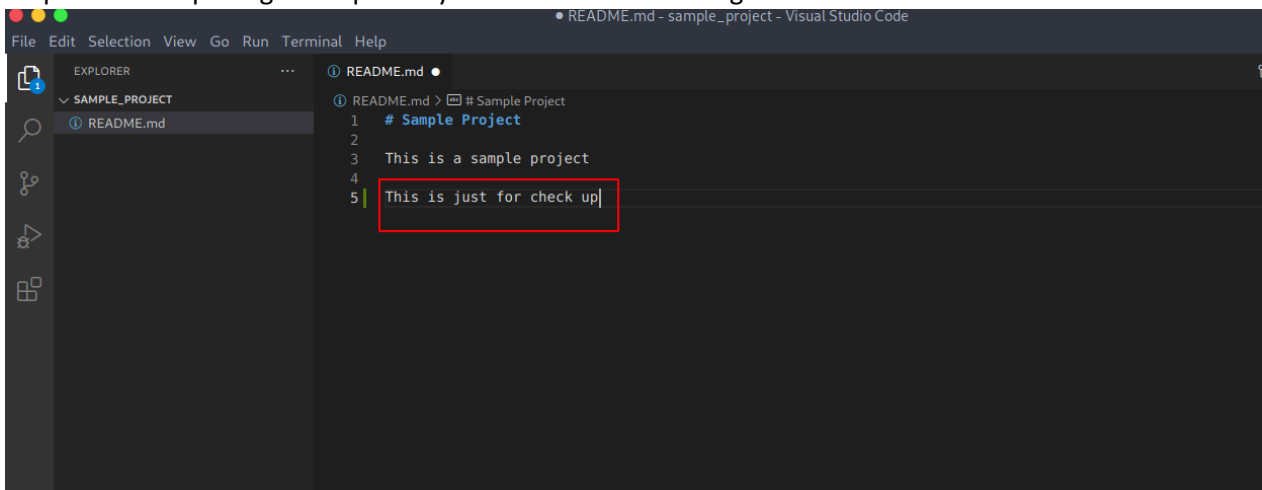
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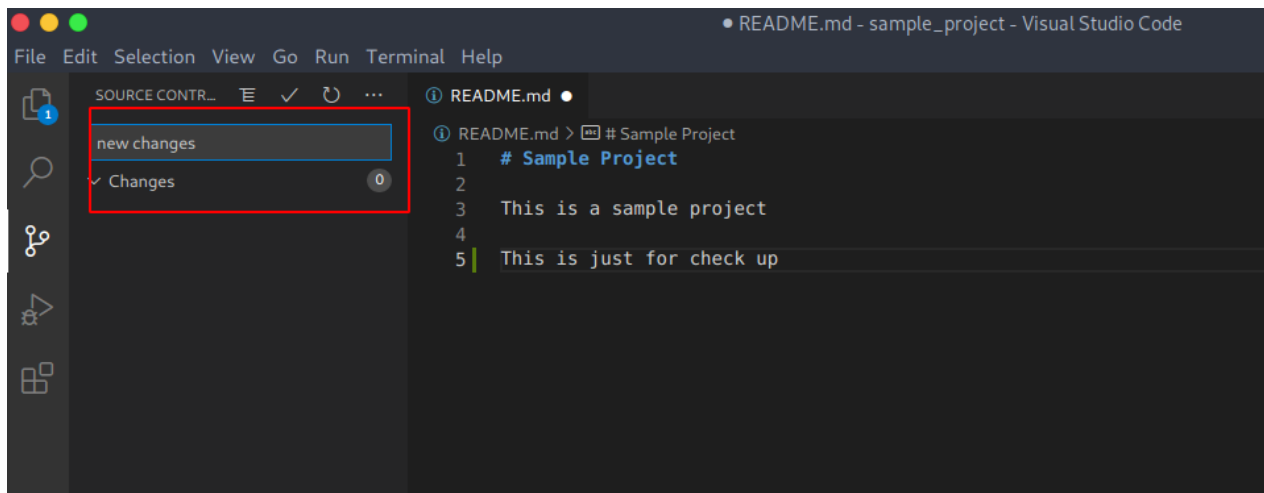
Step 9: It will ask you for “select repository location” choose location in which you want to open the repository.



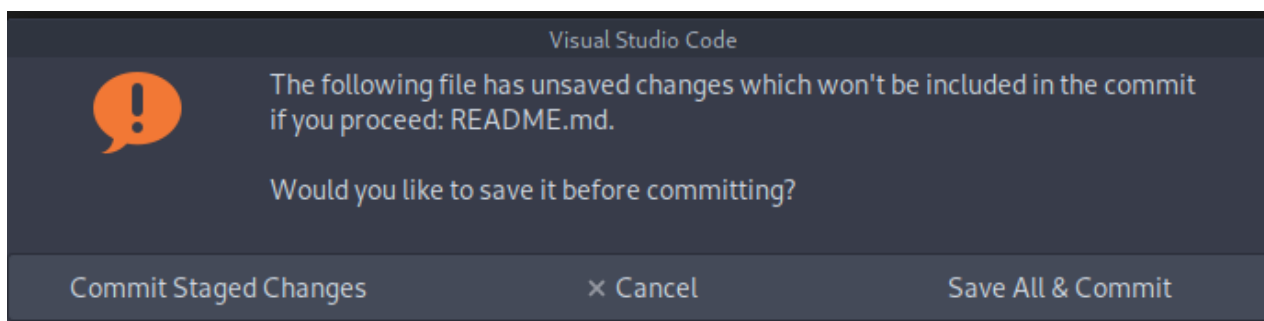
Step 10: After opening our repository let us make some change into it.



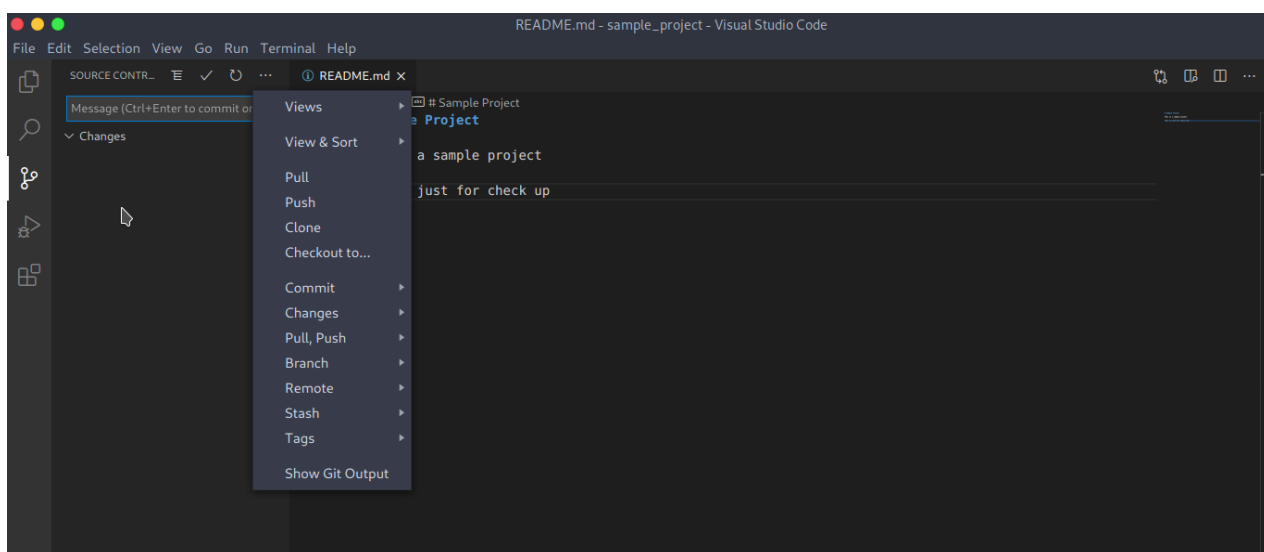
Step 11: Let us make some commit. Click on the fork menu and just add your commit here and hit enter.



Step 12: It will ask you if you would like to save before committing. Click on “Save All & Commit”.

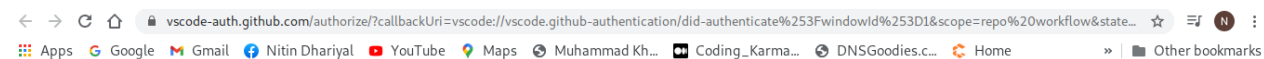


Step 13: After this let us push this into our GitHub. Click on push button and it will ask you your GitHub username and password or it will redirect you into the GitHub authentication page.



Above step will take you to the following page:

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Authorize Visual Studio Code to access GitHub

If you initiated this authorization from Visual Studio Code, click 'Continue' to authorize access to GitHub

Continue

[Do not authorize](#)

This service is needed to connect Visual Studio Code to GitHub and does not store any sensitive information.

Step 14: After successful authentication you will see the update into your GitHub repository.

