Question: can the vs. code run the whole git command instead of using the command prompt?

Version control

Is a method of recording changes made to a file or set of files

Recording changes allows you to come back to specific version as you carry on coding

The 2 methods of version control

1. Centralized method
2. Distributed method i.e. git

Git: it keeps copies of all the version of a file

It shows potential employees code sample

It shows potential customers your work

It gives room for collaboration with other developer

It help to keep you updated on your work, files and changes

Allow Fork repositories.

Different between git and github:

Git:

It runs on terminal

Keep track of files and modification to the file in a local repository

**While**

Github:

Has a collection of repositories from the developer

Has clone, pull request and fork features

3 state of Git:

1. Modified state( working directories): the currently working file
2. Stage state( staging area)
3. Committed state (repository)

To initialize a repository in Git:

In your cmd type the following

Cd (enter)

Git init (enter)

Ls -al (enter)

(Copy the URL from your repo)

Git remote add origin [paste the url of your repo]

Git remote –v

Git commands:

Git status: tells you the status of your present directory, it shows untracked files

*Git add*: add files to the staging area

Git commit: committing files to the repository

Git push: add the changes to the repository

*Git reset*: will unstage files from the staging area

Git diff: display the difference or changes between the working directory and the index; git diff <file name>

Git merge: will merge independent branch

Git fetch: shows the changes made by other developers

Git pull; combines both fetch and merger command

Git branch represent an independent line of development

Git master: is the main branch

Git clone: making multiple copy of your work