Git and GitHub on Microsoft Visual Studio

1. What is Git?

Git is a distributed version-control system for tracking changes in source code during software development. It is designed for coordinating work among programmers, but it can be used to track changes in any set of files. Its goals include speed, data integrity, and support for distributed, non-linear workflows.

2. What is GitHub?

GitHub is a Git repository hosting service, but it adds many of its own features. While Git is a command line tool, GitHub provides a Web-based graphical interface. It also provides access control and several collaboration features, such as a wikis and basic task management tools for every project. The flagship functionality of GitHub is “forking” – copying a repository from one user’s account to another. This enables you to take a project that you do not have write access to and modify it under your own account. If you make changes you would like to share, you can send a notification called a “pull request” to the original owner. That user can then, with a click of a button, merge the changes found in your repo with the original repo. These three features – fork, pull request and merge – are what make GitHub so powerful.

3. Git Command

a. git clone- used to clone repository

git clone <https://github.com/user/myfile.git>

b. git status- command displays the state of the working directory and the staging area. It lets you see which changes have been staged, which haven't, and which files aren't being tracked by Git.

c. git add

d. git commit – “”

e. git push