After installing git

For windows right click on desktop and open gitbash

To check git version use command git --version

git config –global user.name “username”

git config –global user.email “email”

working directory = project folder

repository – place where you save the project versions

ls --- files or command in that particular folder

git init – initialize new repository and also creates a folder called .git (folder is invisible). This .git folder have all the work you have done.

ls-a – shows all files and folders even the hidden ones also.

To create file in the working folder use command

touch filename.extension – it works for windows also

To show the content in the file

cat filename.extension

To save the file to the git

Add files to staging area by using command

git add filename1 filename2

if filename has space use escape sequence i.e backslash\

Another way i.e to add all files in working directory

git add.

Want to remove files from working directory

git rm –cached filename

To know the files in staging area

git status

want to save files in the staging area in to repository with a snapshot(40 char sha key and with commit message)

git commit

for commit there are two ways

using vim editor

direct commit

It opens the vim editor

In vim editor type the commit msg

For Windows

Press esc and type :wq enter

For Linux

Ctrl + o

Enter

Ctrl + x

Another way is git commit -m “Commit Msg”

Another command to show the log of all the commits we made in reverse chronological order.

git log

recent commit shows first

git log --oneline first – commit log shorter by only displaying 7 characters of commit SHA key

|  |
| --- |
| Repository(Local)  40 bit length SHA(Secure Hash Algorithm) key Commit message |
| Staging Area/Staging index |
| Working Directory |