Git uses three components when working on the local machine

1 Working directory or Workspace

2 Stagging Area

3 Local Repository

Working directory is the folder where the code or the configuration

files are created.Initially the files present here are called as

Untracked files

Stagging Area is the intermediate buffer zone of git into which

files temporarly move for indexing purpose and the files present

here are called as indexed files

Local Repository is the location where version controlling happens and

files present here are called as Commited files

1 To initilise the current folder as a git repo

git init

Note: This will create a hidden folder called as .git which stores all

the configuration necessary for git to run.

2 To send a file from working dir to stagging area

git add filename

To send multiple files to stagging area

git add file1 file2 file3

To send all the files and folders into the stagging area

git add .

Note . represents present working directory

3 To remove files from the stagging area and bring them back to

untracked section

git rm --cached filename

(or)

git reset filename

4 To send the files from the stagging area to the local repository

git commit -m "Some Message"

5 To see the status of the files present in the untracked and stagging areas

git status

6 To see the commit history of the local repository

git log

To see the commit history in short format

git log --oneline

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.gitignore

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This is a special configuration file which is sued for hiding

private files from git.Any file whose name is mentioned in

.gitignore become unaccesble by git

1 Create few file

touch file1 file2 file3 file4 file5

2 Check the status of git

git status

It will show all the above 5 files as untracked files

3 To hide file1-file3 from git

cat > .gitignore

file1

file2

file3

To come out of cat command ctrl+d

4 Check the status of git

git status

file1-file3 will no longer be show as untracked files

git cannot access those files