**Git**

**Git is a distributed version control system(DVCS)**

**Git(in this software many developer can do work at a time and they did not have need to mail the code with one another because git provide the latest code)**

* **Popular version control system for software**
* **Developed by linus Torvalds for managing linus kernel development**
* **Node ecosystem thrives on it**
* **www.git-scm.com (to install git)**
* **Each user has a local copy of the complete history of the project called repository**

**Git commands:**

Check to make sure that Git is installed and available on the command line, by typing the following at the command prompt:

1. **git --version**
2. **Git --help**

To configure your user name to be used by Git, type the following at the prompt:(we can use both statement to make the folder global and local)

1. **Git config --global user.name “ Muhammad Faizan”(if we want to rename the git folder the type this)**
2. **Git config user.name (for local)(just type this it will show you the name of git folder if you make already)**

To configure your email to be used by Git, type the following at the prompt:

1. **Git config --global user.email “**[**Faizanali4586@gmail.com**](mailto:Faizanali4586@gmail.com)**”**
2. **Git config user.email “**[**Faizanali4586@gmail.com**](mailto:Faizanali4586@gmail.com)**”(local)**

You can check your default Git global configuration, you can type the following at the prompt:

1. **Git config --list**

**To chect the information of system**

1. Systeminfo

To chect the drive=volume where we are working

1. Vol

To chect the version of window

1. Ver

Chect the date

1. Date or date /t
2. Time or time/t

Going direct from one folder to another(c to e)

1. e:

to chect all the folders in e drive

1. dir

to check the inner detail of the folder of e drive

1. cd Faraz(name of inner folder) then again use dir

to return back in drive

1. cd..

create folder in drive

1. mkdir Faizandeveloper(name of folder)

make file or folder in folder that we make as faziandeveloper

1. type nul > cmds.txt or touch cmds.html(for git bash)

change the name of file

1. ren cmds.text(prev name) cmd.txt(new name)

write something in the file that we make 19 commant to check what we write in file

1. notepad cmds.txt(name of file)
2. type cmds.txt

copy from one file to another

1. copy cmds.txt(from) fileinwhichwewanttocopy(t0) the enter yes

to delete the file

1. del fileinwhichwewanttocopy.txt(name of the file that we want to delete)

for move

mkdir css

type nul > style.css

1. move style.css(which is to be moved) css(in which)

for clear the whole

1. cls or clear

to remove the folder

1. rmdir css

to check the mack address(physical address)

1. ipconfig /all

Gitbash

Chech the folder is git or not

1. git status

make a folder git

1. git init

if have make git folder name gitfolder and file name index.html

statement to add the working directory to staging area

1. git add index.html(use again and again when you add something in file)
2. git add .

to add in repository

1. git commit -m ‘write any thing’

to check the id of git

1. git log
2. git log --oneline(make short id of git)
3. git log –oneline -1

to check what is written in the file

1. cat index.html(name of file)

code for making repository:

first we make repo on github then if we want that our file (which is made in folder) content will be shown our friend the use

1. git remote add origin https://github.com/Muhammadfaizandeveloper/learnHTML5.git (copy this link from github)
2. git push 0r git push -u origin master

to get the above link

1. git remote -v

if we change something in file then who update the repository on github

1. git add .
2. git commit -m ‘ any name’
3. git push -u origin master

**BRANCHES IN GIT(use when I give code to my friend by doning changes )**

1. **git branch**
2. **git branch localfaizan**
3. **git checkout localfaizan**
4. **git merge localfaizan(add your friend code to merge with your code)**

**if you give code to your 5 friend then then want to add the code of ahtisham code then use (git merge localahtisham)**

**gitclone (is used to create a local copy of a remote repository when useno local repository is there 0r use when a folder exit and it is not a git folder we can add code(my code or we can take from github) here from github )**

1. **git clone** <https://github.com/Muhammadfaizandeveloper/learnHTML5.git>

**gitignor is use to hidde some files**

1. **touch .getignore**

**GITHUB**

Is a code hosting platform for version control and collaboration.it lets you and others work together on projects from anywhere