What is Git

Git is a devops tools used for source code management. It is free version control system used to manage and track the large project easily.Git is centralized.We can track changes in the source code enabling multiple developers works together.

Why Git?

One of the biggest advantsage is branching capabilities of git

Git Hub=> It is a web service that host Git Reprositries in the cloud and makes it easier to collaborate with other people. It is online place to share work that is done using git.

HTTPs(Hyper text transfer protocol secure) => Hyper text transfer protocol secure it is the secure version of http, which is a primaty protocol used to send data browser and website. This is important at time like when user is logging into bank account. https encrypt the data on website (it means that your data is encrypted on server)

SSl(Secure socket layer)-> it encrypt the data used in http. The combination of ssl and http make the website secure and make **https.**

1)Config command(git config –global user name “Parv kothari”) -> set the user name

2)Mkdir (mkdir project\_name)-> create a directory of (Project\_name)

3) pwd -> gives the name of the present directory.

4) cd (cd project\_name)-> it will change the directory.

5) git version -> give the version of the git.

6) git config user.name -> give the user name.

7) clone(git clone path)-> at the time of cloning git will automatically create a directory.

8) ls-> it will give the files present in the folder.

9) status-> it will give the status and display the state of the working directory and the staging area.

8)Echo (echo “my name is parv kothari” >> start.txt)-> it will create the file name start.txt which contain the text “my name is parv kothari”.

10)Git add(git add file\_name)-> it will add the file in the staging environment.

11)Git commit(git commit -m “Message”)-> it will move the directory into local repository

12) git log –oneline-> it will show all the commit.

13) reset (git reset address) -> it will point the head to the address given in command.

      Reset does not create a new commit

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14) revert (git revert address)-> it will create a new commit.

15) git pull-> so basically the pull command is the combination of two command fetch command and merge command;

16) git stash(git stash -m “name\_of\_the\_stash”)-> git stash is used to save the data like if we dont want to commit the data and save the data so that data we can save by using stash.

      -git stash list=>it will give the list of the stash

      -git stash apply=>it will apply the last stash from the list

       -git stash drop @stash{1}=>it will delete the stash

       -git stash clear=>it will delete all the stash