GIT AND GIT HUB

Git configurations……….

Git config –global user.name "sivakumarkalluri"   //(it is used for setting user id globally that means when u open git it automatically opens ur git id)

Git config –global user.email "sivakumarreddykalluri@gmail.com   //(it is used for setting user email globally that means when u open git it automatically opens ur git id)

Git config user.name   // To check the username

Git config user .email   //To check the user email id

CREATION OF FILES AND FOLDERS AND WRITING INTO IT

Pwd   //(PRESENT WORKING DIRECTORY) it gives the current folder where u are

Mkdir filename.txt   //(For creating a new folder)

Cd foldername   //(for moving from one folder to another)
Cd foldername1/foldername2   //(for directly moving to folder2)

Cd ..   //for moving to back folder

Rm filename   // for deleting a file…

Rm -r foldername   // for deleting a folder

Touch filename.txt   // for creating a new file

Touch filename1.txt,filename2.txt,file3.txt   //for creating multiple files

Touch file{1..4}.txt   //It create multiple files at a time like file1.txt file2.txt file3.txt

Echo "write the content here">filename.txt   //It enters the written content into the given file name

Echo {1..50}>filename.txt   // it writes the numbers from 1 to 50 in to the given filename

Cat filename.txt   // It prints the content from the given file name

Cat filename1.txt>>filename2.txt   // it copies the contents of filename1.txt to filename2.txt (filename2.txt should already be createdusing touch filename2.txt otherwise it gives error)

Notepad filename.txt   // It opens the notepad to write the contents after writing the contents it is compulsory to save and close the notepad otherwise it gives error.

Ls   // it prints the list of files or folders present in the current directory

Creating and staging in local git

Git init   //To initialize a git repository in local it downloads all the git packages it will be in hidden items

Git status   //To check the status of what u have done

Git add filename.txt   //It adds the given file to git

Git add filename1.txt,filename2.txt   //it adds the given no files to git

Git add .   (or) git add --all (or) git add --a   //it adds all the files from the current folder to git

Git rm –cached filename.txt   //To remove a file which is already added to git

Git rm –cached -r *   //To removes all the tracked files(which are added to git repository using git add) from local git repository but the files remains in the folder only they are removed from local git repository

Git commit -m " ur statement"   //commit is the saving the files in git with particular statement

Git log   //It gives the what are the commits u have done

PUSHING FILES TO GIT HUB

Git remote   // To check in which remote we are present

Git remote rm origin   //To remove the existing remote

Git remote add origin "ur git hub repository link"   // to add the local git files to git hub repository with some origin.

Git push origin master   // To push the added files to git hub

Git –rebase pull "git link"

Git branch   // to check in which branch we are currently working

Git pull "git repository link"   // it updates the local repository with github files

`git log –oneline`   //to check the commit keys(SHA keys)

git checkout 9897899   // here the number is SHA key of a commit if we want to go to particular we use this

git checkout master   // To go to the last written commit

To add files to existing repository

Git clone " already exisisted repository link" //It downloads all the files to the current directory

Next step is git commands for creating the files and those files using git add .

git commit -m "ur commit statement"

git push origin master   //it pushes the files to ur git hub repository

CREATING NEW BRANCHES AND MERGING

git branch   //To check what are the branches present in current directory

git branch newbranchname   //To create a new branch

git checkout newbranchname   //To move to the new branch

git branch -d branch name   //To delete the branch

git merge branchname newbranchname   //To merge two branches into a single main branch

git branch -f master HEAD //! [rejected]   master -> master (non-fast-forward) error: failed to push some refs to 'https://github.com/sivakumarkalluri/PRAGYAN-AI-INTERNSHIP.git' hint: Updates were rejected because a pushed branch tip is behind its remote hint: (e.g. 'git pull ...') before pushing again.