another program like git : scm , vcs

**Run the git bash:**

git --version

git --help

which git =>(to git the path of program)

ls /etc/ (to get the all paths)

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| --- | --- | --- |
| No | Command | Description |
|  | git --version |  |
|  | git --help |  |
|  | which git | to git the path of program |
|  | ls /etc/ | to get the all paths |
|  | git config |  |
|  | git config --global user.name "hmnewrose" | To put the user name |
|  | git config --global user.email "hm\_newrose@yahoo.com" | To put the user email |
|  | git config --list | To get all config that we made before |
|  | ls | To list all files and folder in that place |
|  | mkdir project | To make directory with name project |
|  | cd project | To stay on the folder with name project |
|  | git init | To create git inside that project  Git will follow that path |
|  | Ls | To list all files and folder in that place |
|  | ls | To list all files and folder in that place that hidden |
|  | ls -la | To list all files and folder in that place that hidden and in order |
|  | ls -la .git | To list all files and folder in that place that hidden and in order and we must work with it we leave it. |
|  | clear | To clear the data |
|  | Git add . | To add the news files that in that folder |
|  | git commit -m "this is first file" | To save the new changes that we made |
|  | git log | To get all information about the changes for files of the project (commits and the commit name and date and the author name and email and date. |
|  | git help | To get all command of git |
|  | Git log -n3 | To get all information about the changes for files of the project (commits and the commit name and date and the author name and email and date.  With count 3 (get only three logs). |
|  | git log --until=2017-5-12 | To get the logs till the lists date. |
|  | git log --since=2017-5-12 | To get the logs during the lists date. |
|  | git log --author="hm\_newrose” | To get the logs with the lists. |
|  | $ git log --grep="first" | To get the logs with the words that we write in commits. |
|  | Cd .git | للدخول فى مجلد Git  To enter to the git folder |
|  | cat head | To get reference of name of master of our project |
|  | ls -la | To show the files and folder that hidden in that folder |
|  | git status | To get the status . to show the files that we need to save it by add and commit and need to upload the master branch.  (we need to work on the project folder before use this `command). |
|  | Git add “second file.txt” | To add second file.txt to git |
|  | git diff | To know the changes that we made in each file. (we can specify the file that we need to get the changes in it). |
|  | Git diff --staged | To show the files in staged phrase only we don’t commit it yet. (these files need to be committed) |
|  | Git diff --cached | To show the files in staged phrase only we don’t commit it yet. . (these files need to be committed) as staged but in the old version. |
|  | Git rm “file name.txt” | To remove the `file that we add here.(we need to commit after this).(we can see the changed we made by git status and then by git log). |
|  | Git mv “file old name .txt” “new name.txt” | mv to change the file name to new name (rename file). |
|  | git mv mythirdfile.txt my/mythirdfile.txt | Mv to move the file with name mythirdfile.txt to the directory with name my and put the file with name mythirdfile.txt. (we need to commit it). |
|  | Git init | To add new project to git |
|  | Git add .  Git commit -m “comment” | To add all files in that directory to git to be tracked(we need to make commited) |
|  | Git log  Git status | Git log |
|  | Git diff – index.html | To know the changes in the file index.html |
|  | Gif diff –color-words index.html | To color the text that we made changes in the file index.html |
|  | git commit -am "changed in " | To make commit to stage phrase with message. (like add then commit) |
|  | To make first project with git | |
|  | cat .git/config | To see the config file of git |
|  | git remote rm origin | To stop connection with the project |
|  | git remote add origin https://github.com/hmnewrose/POS3.git | To connect to server. (to confirm that the connection is started by command  git remote add origin  git remote |
|  | git remote | To confirm that there the connection is started with git hub. |
|  | cat .git/config | To confirm that there the connection is started with git hub. (it get url that we connected to the project). |
|  | git branch | To see the branches of the project |
|  | git push -u origin master | To put the project on master branch of github. (we need to enter username and password). |
|  | git branch -r | To get the remote branch. |
|  | Git branch -a | To get the all branch. |
|  | To push the project from git | |
|  | **Git clone** <https://github.com/hmnewrose/POS3.git> myproject2 | To download the project by git clone then we put the link then new name of the project as wen need. |
|  | Cat .git/config | To see the config of connection if there is url that mean there is connection between the project and the github. |
|  |  |  |

To work on project:

We must make add first then commit (without commit we don’t save the changes or don’t make the updates in the master folder).