**Introduction to Github**

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# What is github?

Create a repository in github

Install gitbash

Or use powershell

Initial Setup for git

git config --global user.email [mahedee.hasan@gmail.com](mailto:mahedee.hasan@gmail.com)

git config --global user.name Mahedee

after pushing, you will need to add user name and password like below.

E:\Github.com\pvt-proj-msms [master ↑1]> git push

Username for 'https://github.com': mahedee

Password for 'https://mahedee@github.com': [type password here – not shown]

# Clone repository

D:\Projects\Github> git clone <https://github.com/mahedee/pvt-proj-msms>

Go to project directory

D:\Projects\Github> cd .\pvt-proj-msms

D:\Projects\Github\pvt-proj-msms [master ≡ +2 ~0 -0 !]>

Add files

D:\Projects\Github\pvt-proj-msms [master ≡ +2 ~0 -0 !]> git add .

Commit

D:\Projects\Github\pvt-proj-msms [master ≡ +73 ~0 -0 ~]> git commit -m "initial commit"

Clear windows

D:\Projects\Github> clear

D:\Projects\Github> ls

D:\Projects\Github\pvt-proj-msms [master ≡ +2 ~0 -0 !]> git log

-----------Branching-----

git checkout -b branch1

git add .

git commit -m "added for branch1"

git push --set-upstream origin branch1

----------Merging---------

git checkout master

git merge branch1

git push