

---- Git ----

We can use gitbash and git GUI to track the changes in a project folder on our local machine.

To work with gitbash, download it from the link below: <https://git-scm.com/downloads>

Going with gitbash rather than the GUI as this will be the same in the terminals in cloud IDE's.

You must be inside your project folder.

On your local folder on your machine, right click and choose gitbash option, a terminal will open

In the gitbash terminal type:

git init	This will initialise a new repo, you only need this once
git add .	this will add the files to be committed and pushed to Github
git commit -m "type your own commit message between quotes"	This will commit them
git status	This will show the status of your project, whether all is up to date or there are changes to be tracked.
git log	This will show a log of commits, top one is the latest commit
git log - - pretty=oneline	This will show the commits on oneline each, easier to see if there are alot
git reset - - hard 123abc12	This will reset your project to what it was at the commit that you reference

---- For branching ----

git checkout -b mybranchname	this line will create and move you to the new branch
git add .	Add files to be committed and pushed
git commit -m "message"	Commit and send text with the commit
git checkout master	Move to master branch
git merge mybranchname	Will merge your saved branch with the master branch