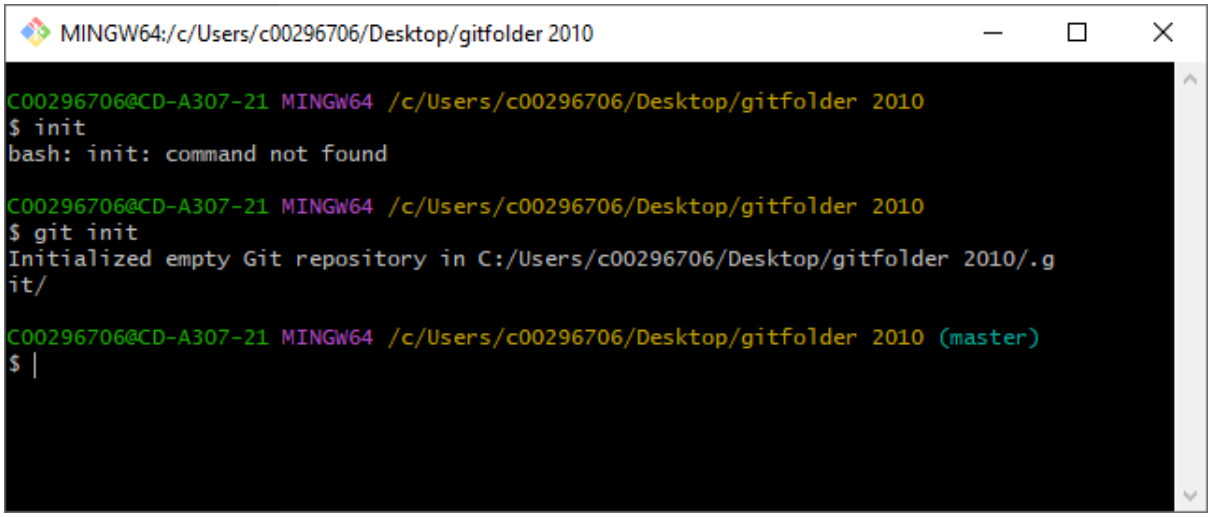
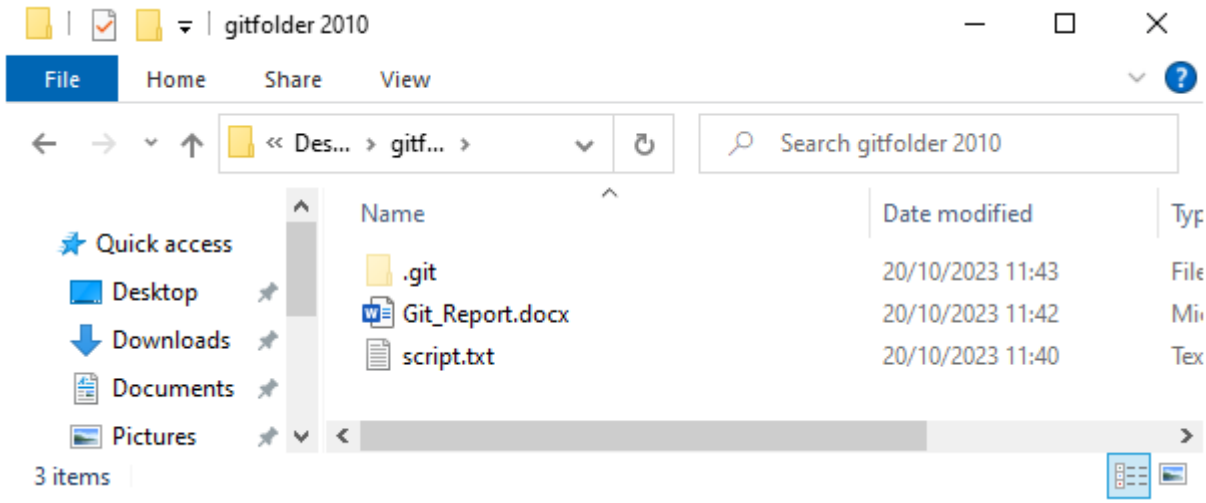
Init

git init creates a new repository in the folder that Git Bash is launched in

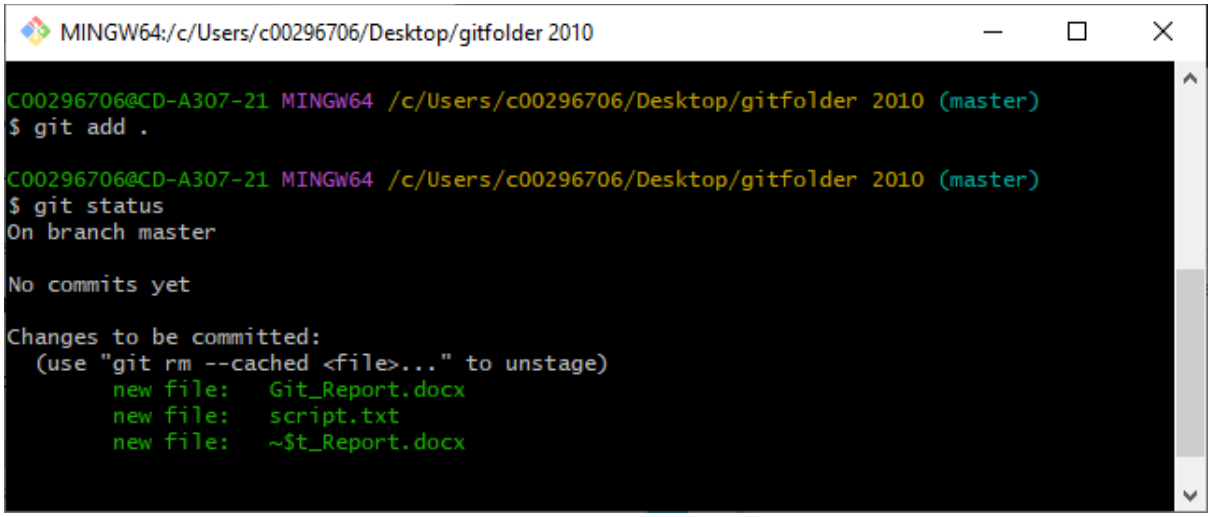


A hidden .git folder is created that contains this repository



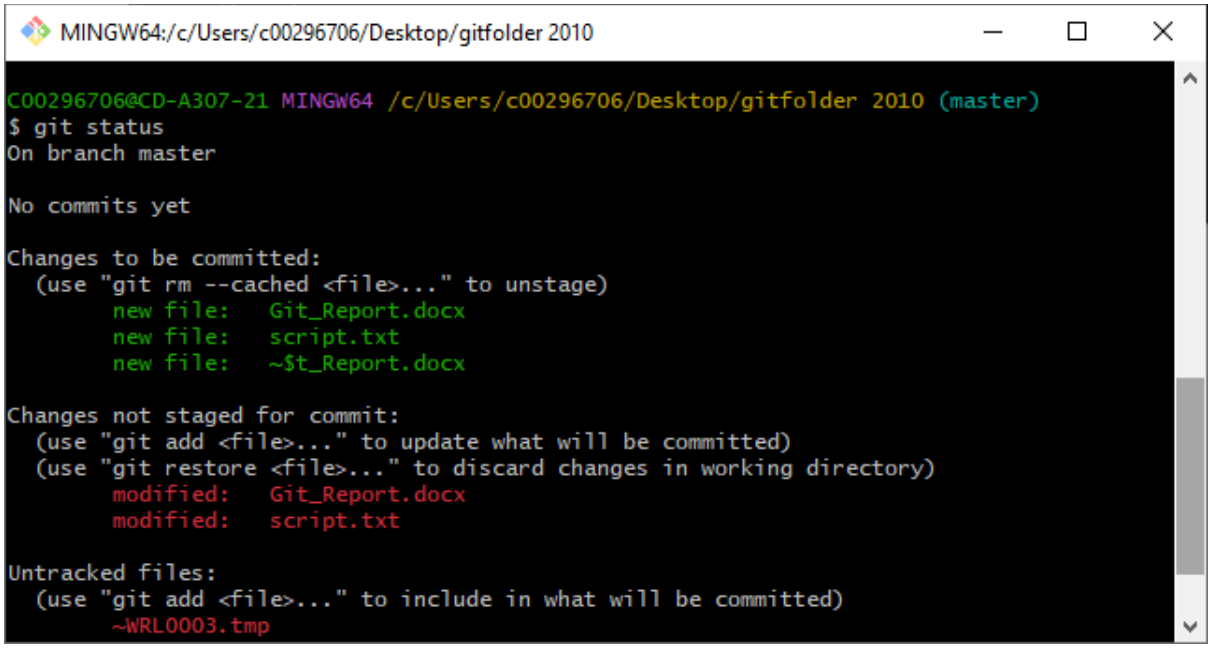
Add

git add adds files to the directory, I will use git add . to add all the new files, we can see that all the files are added using the “git status” command that I will go over next

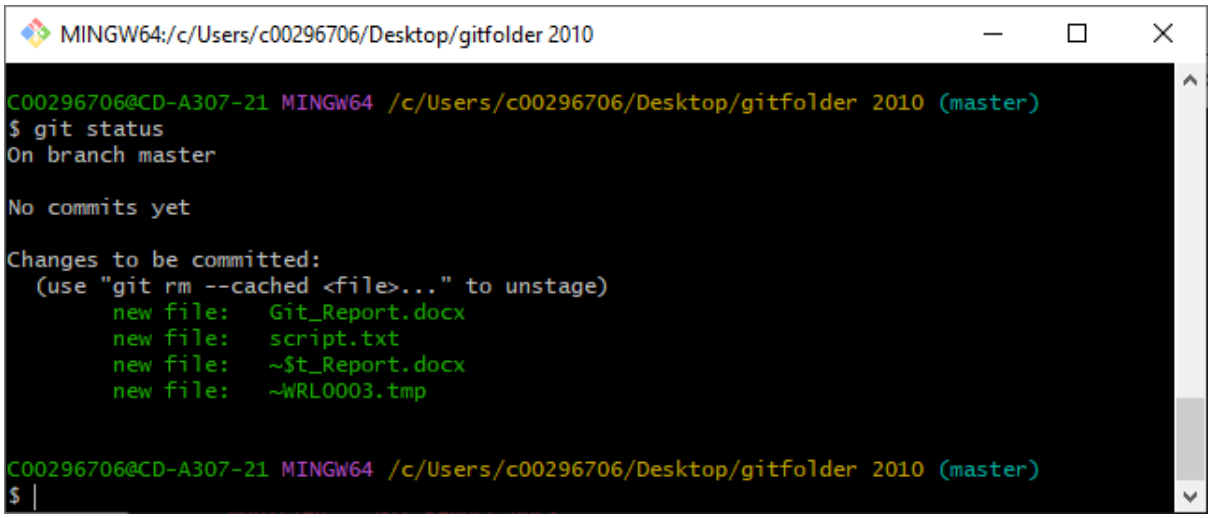


Status

“git status” will list all the files in the directory, modified files will be red and added files will be green

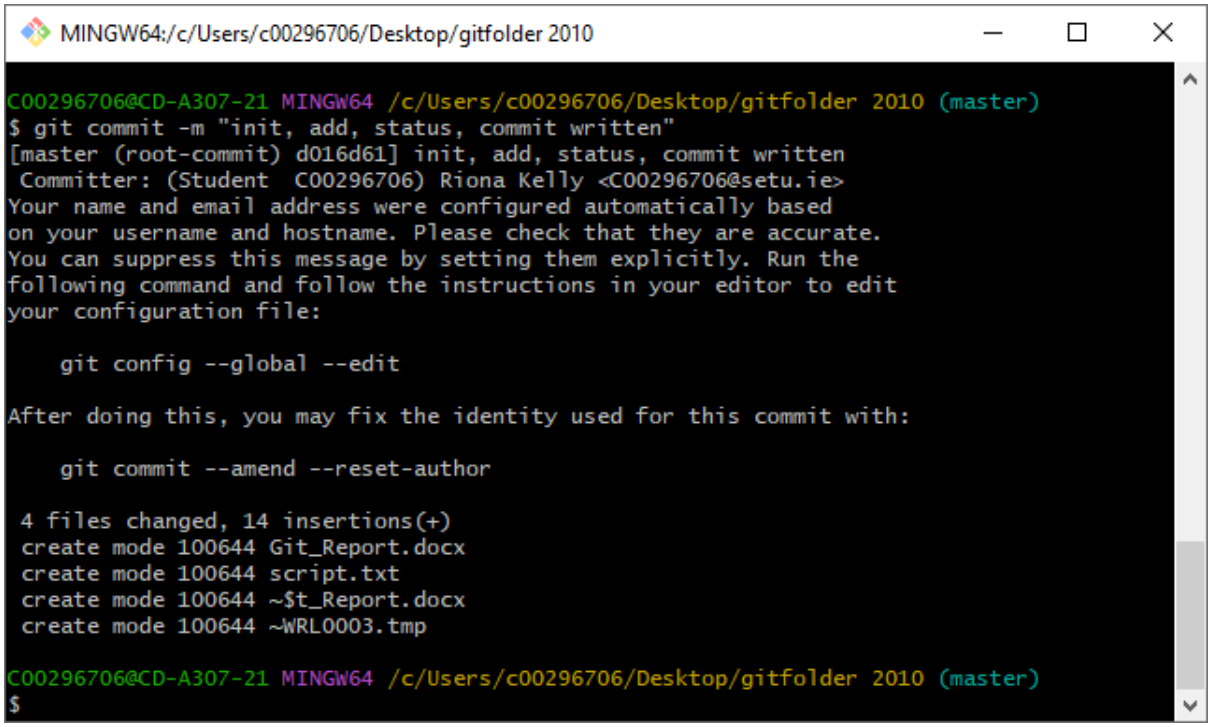


After using git add .



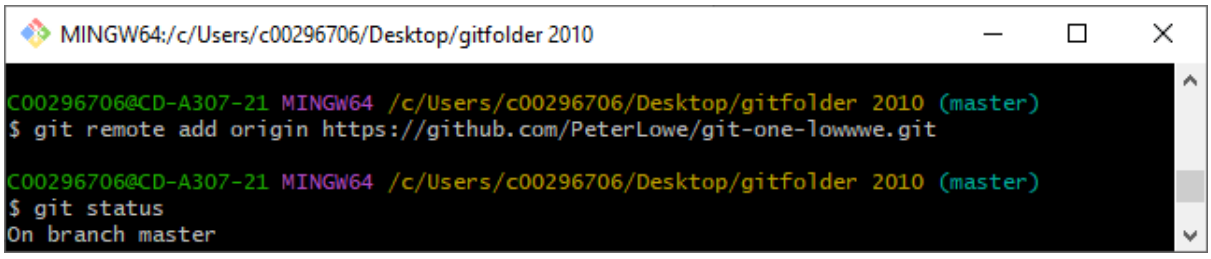
Commit

git commit creates a new commit, commits are snapshots of the repository at different times, I will use git commit -m “init, add, status, commit written” to create a new commit and leave a suitable comment

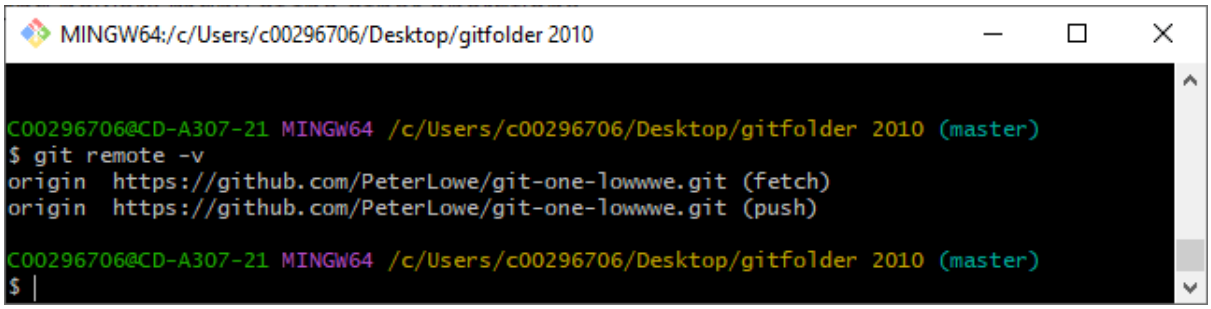


Remote

git remote add <name> <url> adds a new repository



git remote -v lists the remote repositories



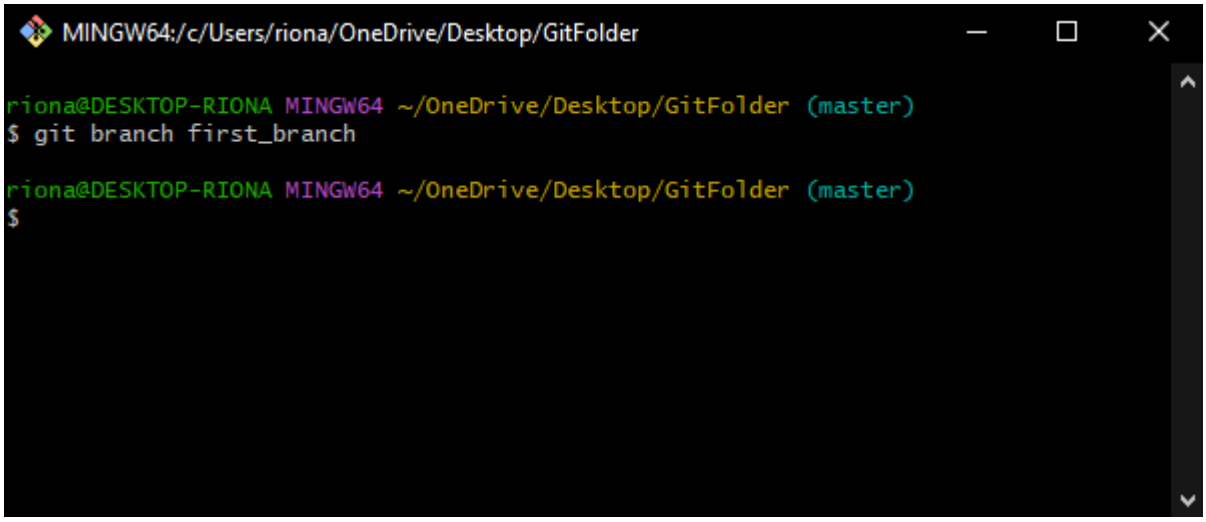
Push

git push updates the remote node with the current node

this command didn’t work for me for issues that I am not sure of unfortunately

Branch

git branch creates a new branch in the local repository, the term after branch will be the branch name



git branch --list will list all the branches in the repository

Merge

git merge master/main merges the head with the master, git will automatically apply the changes if separate and warn if there is a conflict before merging

the main should be merged into your branch, only merge your branch into the main when everyone is ready and aware

Log

git log displays the entire commit history, you can press <space> for more or <q> to quit

git log --stat shows the files altered and the lines that have been changed

git log --graph will drawn the branch paths

git log –(n) will only display the last (n) commits

Stash

git stash makes a local copy of the current working directory

git stash list lists all the previously pushed stashes

git pop retrieves stash {0} (the last stash of the edited files) and copies the files into a working directory, numbers other than {0} can be retrieved with git apply stash {(n)}