Init:
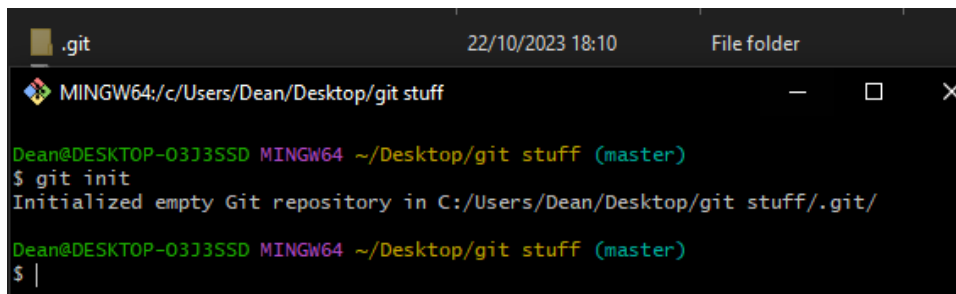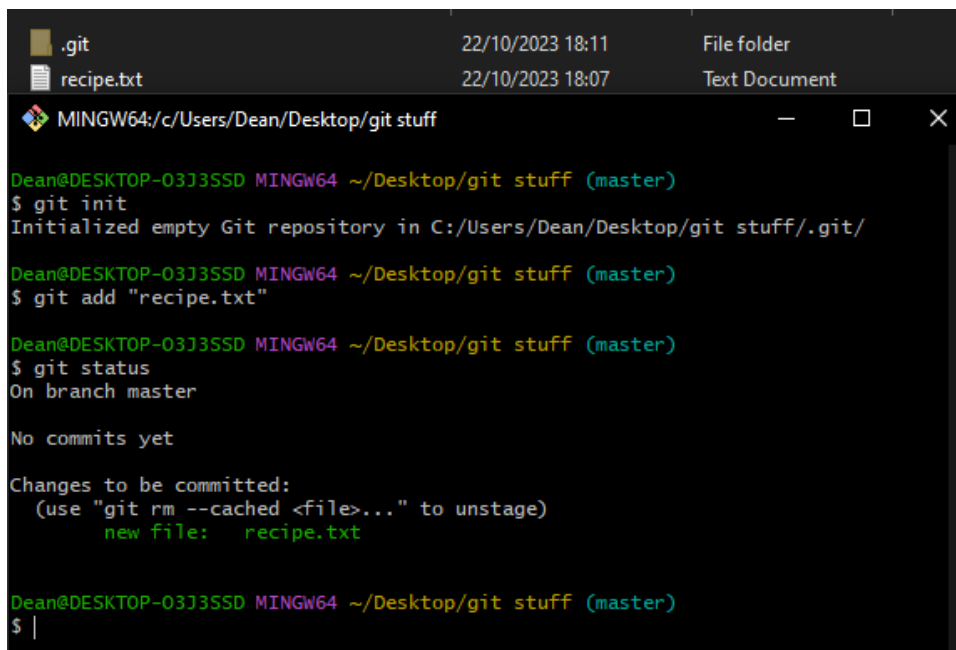
Using git init will make a new repository called .Git in the area where you opened your git bash. And typed in the git init command.

Add:

the use of git add is to add it to the repository but doesn't do any more with it

Status:

The status command shows you all the files in the area you are working in

Not added files will be in red and added files will be in green

```
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   recipe.txt
```

commit:

Git commit saves the changes you've to files that you added with git add

```
Dean@DESKTOP-O3J3SSD MINGW64 ~/Desktop/git stuff (master)
$ git commit -m "test number 2"
[master a4676ef] test number 2
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 orange.txt
```

Remote:

Set the remote repository to be the repository specified by the link

```
Dean@DESKTOP-O3J3SSD MINGW64 ~/Desktop/work (master)
$ echo "# git-one-DeanBeee" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/PeterLowe/git-one-DeanBeee.git
git push -u origin main
Reinitialized existing Git repository in C:/Users/Dean/Desktop/work/.git/
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it
[master (root-commit) 9344a38] first commit
 1 file changed, 1 insertion(+)
 create mode 100644 README.md
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 226 bytes | 226.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/PeterLowe/git-one-DeanBeee.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

Push:

Sends all local commits to the remote repository

```
Dean@DESKTOP-O3J3SSD MINGW64 ~/Desktop/work (main)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 272 bytes | 272.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/PeterLowe/git-one-DeanBeee.git
   9344a38..67c9346  main -> main
```

Branch:

 this shows you all the possible branches you can connect to

```
Dean@DESKTOP-O3J3SSD MINGW64 ~/Desktop/work (test_branch)
$ git branch
  main
* test_branch
```

Checkout:

Checkout allows you to switch between branches,

```
Dean@DESKTOP-O3J3SSD MINGW64 ~/Desktop/work (main)
$ git checkout -b test_branch
Switched to a new branch 'test_branch'

Dean@DESKTOP-O3J3SSD MINGW64 ~/Desktop/work (test_branch)
$ |
```

Checkout:

Checkout allows you to switch between branches,

log:

Git log shows you the last comment you left on your last commit

```
C00300522@CD-A003-14 MINGW64 /c/Users/c00300522/Desktop/repository (master)
$ git log
commit 92fa9722c68dfff76f40832227fc0c5d3dfeac09 (HEAD -> master)
Author: (Student  C00300522) Dean Behan <C00300522@setu.ie>
Date:   Mon Oct 23 17:34:22 2023 +0100
```

stash:

Allows you to temporarily save your work if you need to work on something else,

```
Dean@DESKTOP-O3J3SSD MINGW64 ~/Desktop/git stuff (master)
$ git stash
Saved working directory and index state WIP on master: 4cd9e2e startinf report
```

rm:

git rm lets you remove files that haven't been committed yet

```
Dean@DESKTOP-O3J3SSD MINGW64 ~/Desktop/git stuff (master)
$ rm .git/COMMIT_EDITMSG
```

clone:

Initializes and copy's from remote to local

```
Dean@DESKTOP-O3J3SSD MINGW64 ~/Desktop/not goy stuff (master)
$ git clone https://github.com/DeanBeee/test.git
Cloning into 'test'...
warning: You appear to have cloned an empty repository.

Dean@DESKTOP-O3J3SSD MINGW64 ~/Desktop/not goy stuff (master)
$ ls
test/
```