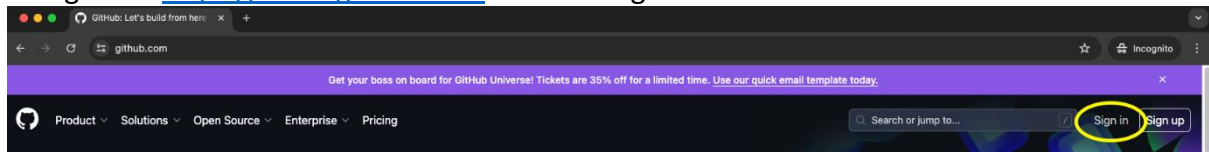


# Practical 2

## Create a GitHub Repository

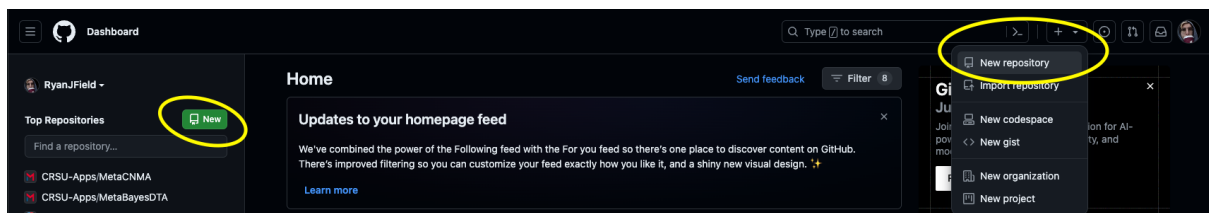
Login to github.com

Navigate to <https://www.github.com> and click sign in



Click new repository

Click new from either the side bar or the top bar.



## Fill in the repository details

### Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

---

*Required fields are marked with an asterisk (\*).*

#### Repository template


No template ▾

Start your repository with a template repository's contents.


---

Owner \*

Repository name \*

 RyanJField

/

MAF-WORLD 

MAF-WORLD is available.


Great repository names are short and memorable. Need inspiration? How about [urban-couscous](#) ?

#### Description (optional)

MAF-WORLD Tutorial


---

☐

 **Public**

Anyone on the internet can see this repository. You choose who can commit.

☒

 **Private**

You choose who can see and commit to this repository.

---

#### Initialize this repository with:

☒ **Add a README file**

This is where you can write a long description for your project. [Learn more about READMEs.](#)

#### Add .gitignore


.gitignore template: None ▾

Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)


#### Choose a license

License: MIT License ▾

A license tells others what they can and can't do with your code. [Learn more about licenses.](#)

This will set  `main` as the default branch. Change the default name in your [settings](#).

---

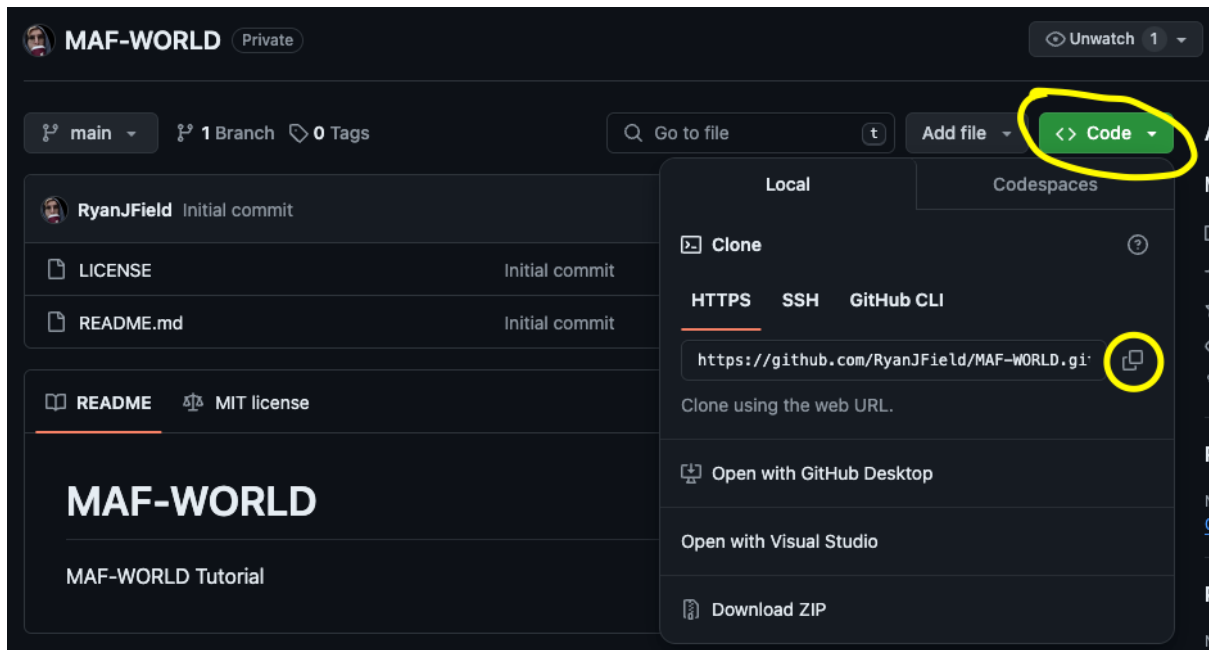
 You are creating a private repository in your personal account.

---

Create repository

The repository name is required, also click add readme file, and if desired choose whether the repository should be private or public and a licence. Click create repository.

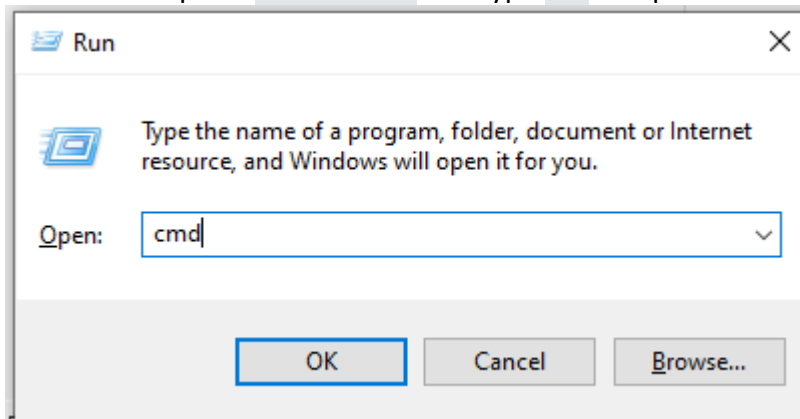
## Clone the repository



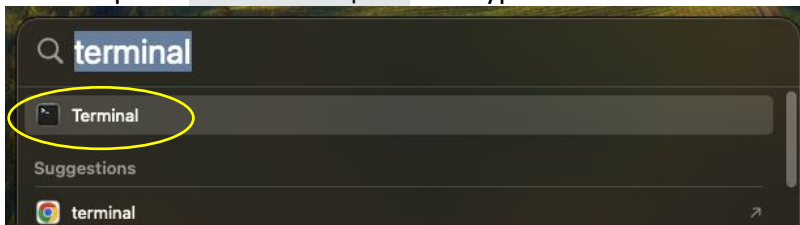
Click code, then click copy on the HTTPS address

Open a terminal / command prompt

- On Windows press Windows + R and type cmd and press ok



- On Mac press command + space and type terminal and click terminal



**Optional** change the directory where you want your repository to be, type

```
cd <directory name>
```

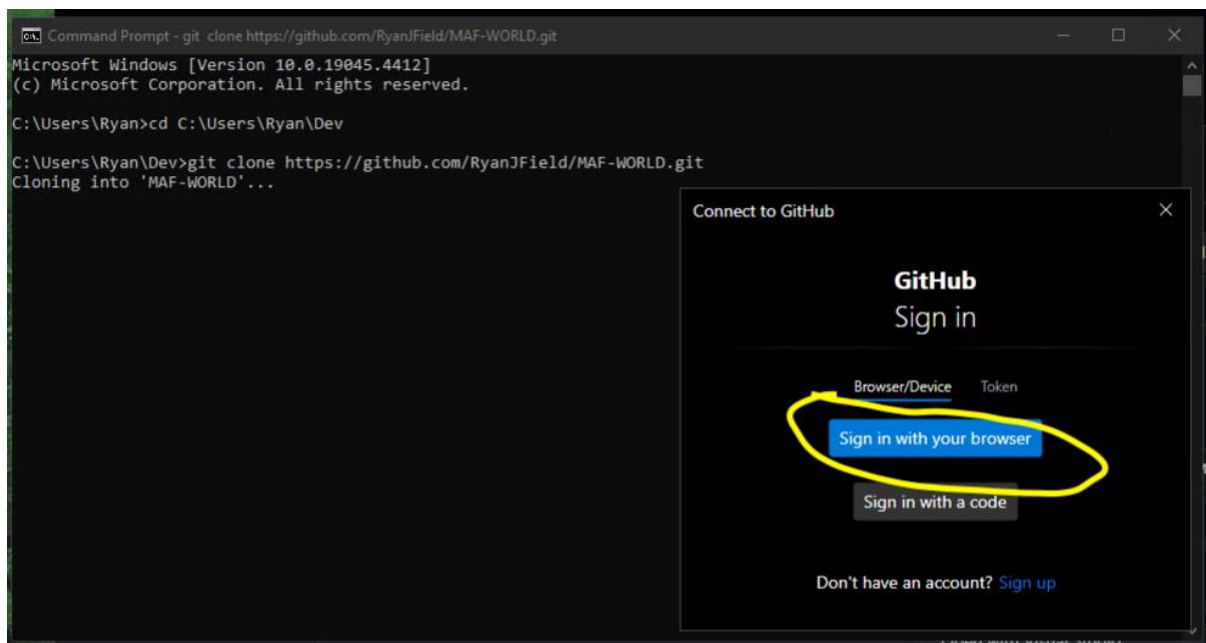
changing <directory name> to an existing directory such as C:\Users\Ryan\Dev

```
Command Prompt
Microsoft Windows [Version 10.0.19045.4412]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Ryan>cd C:\Users\Ryan\Dev

C:\Users\Ryan\Dev>
```

In the terminal paste the address you copied in the previous step, on Windows simply right click, on mac press `command + v`



It may prompt you to sign into GitHub (if you made the repository private) if so click sign in with browser.

## Change into the Git Repository directory

In the terminal / command prompt type

```
cd <repository name>
```

changing `<repository name>` with the repository name you choose on GitHub e.g. `cd MAF-WORLD`

## Setup git config name and email address

In the terminal / command prompt type:

```
git config --global user.email <github-username>@users.noreply.github.com  
git config --global user.name "Your Name"
```

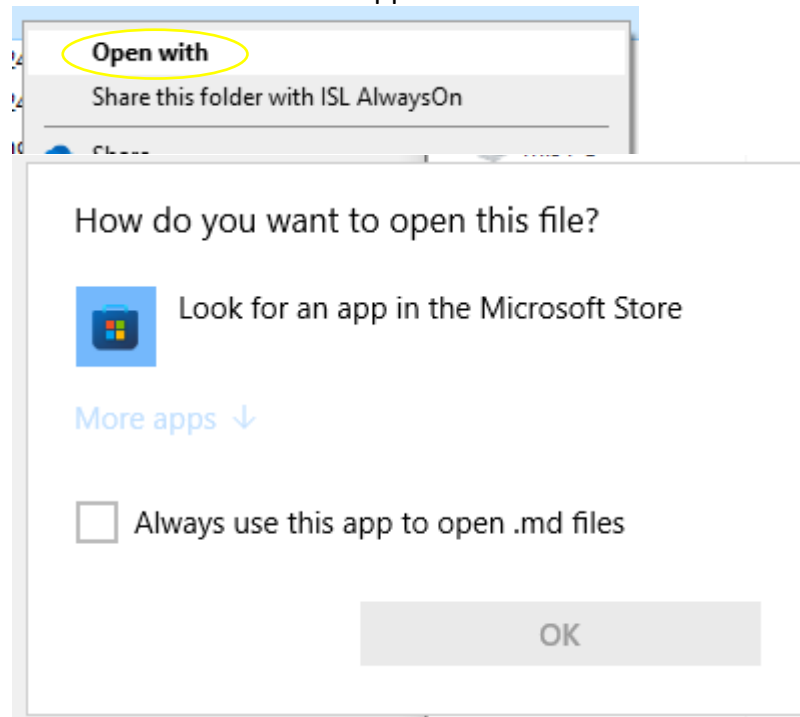
For the email address replace <github-username> with your GitHub username e.g. RyanJField@users.noreply.github.com and Your name with your name.

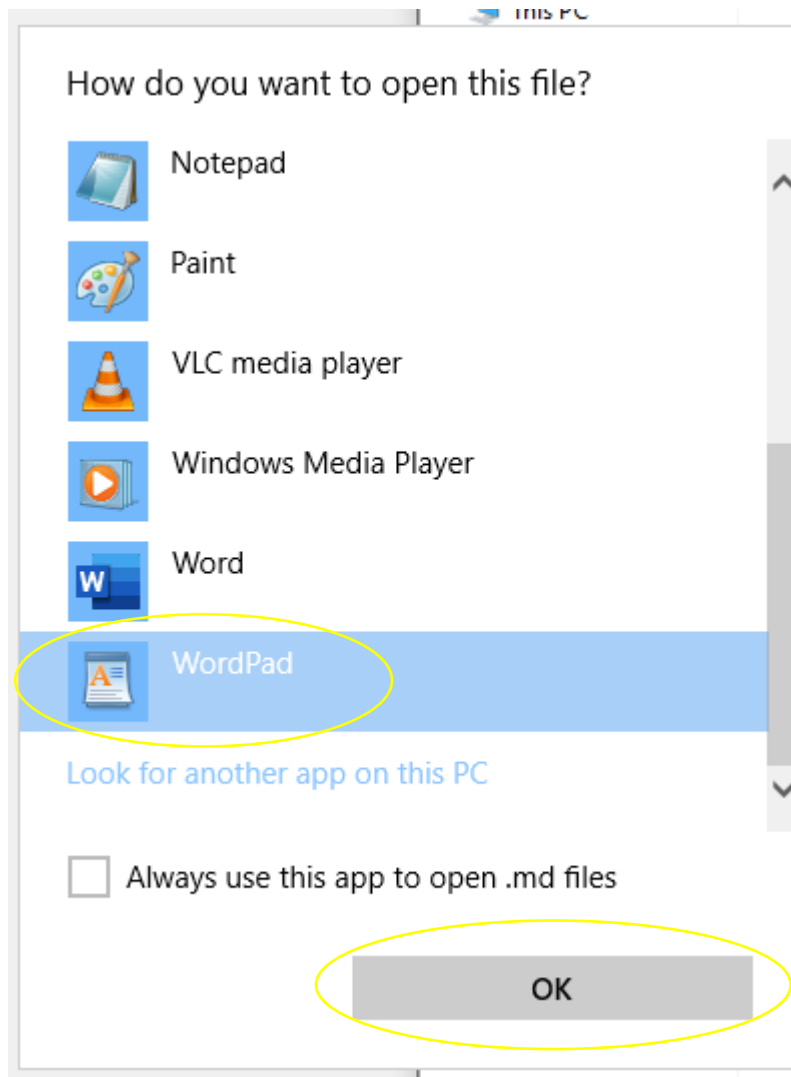
## Edit the README.md file

In file explorer (Windows) / finder (Mac) find the git repository e.g.

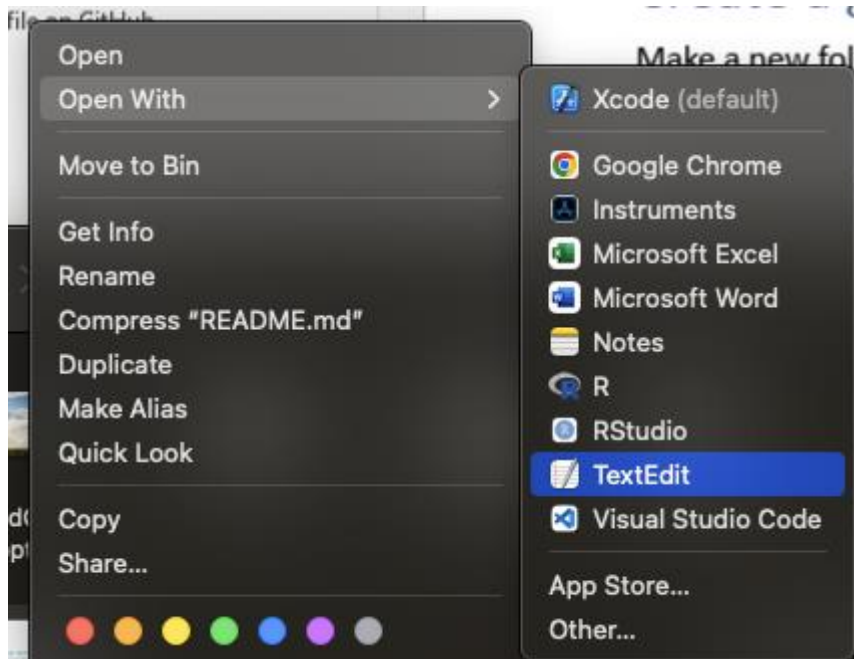
C:\Users\Ryan\Dev\MAF-WORLD and right click (or control + click on a Mac) and open with

On windows choose More apps and then WordPad:

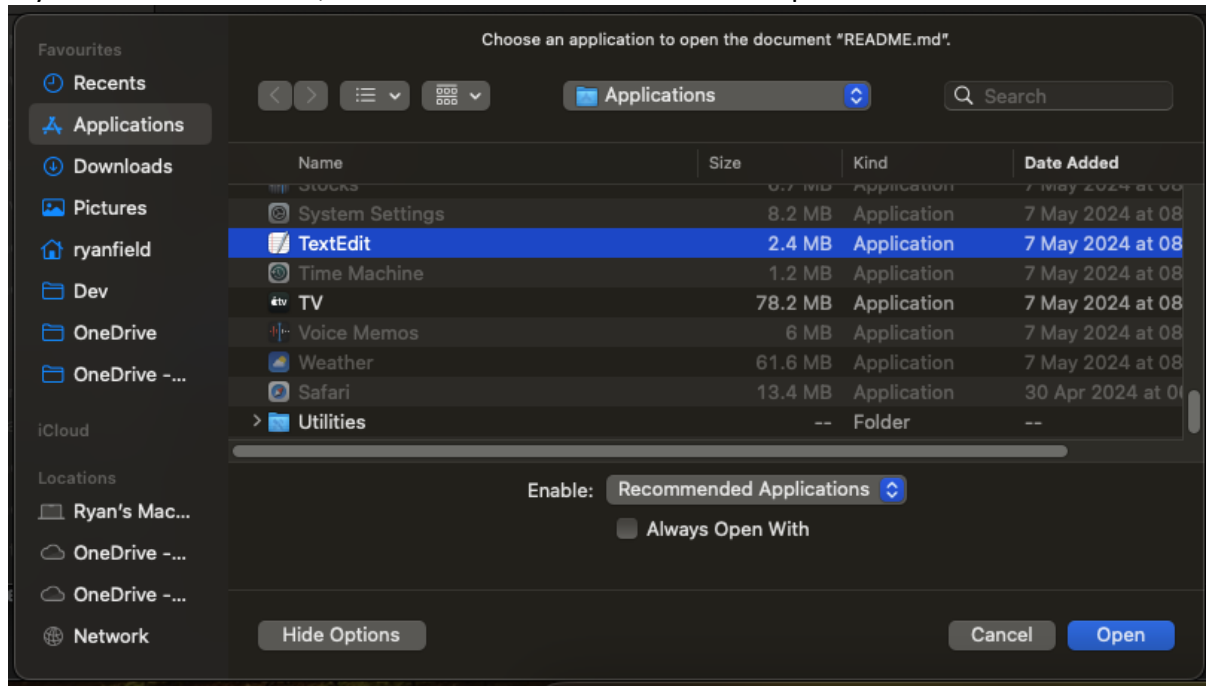




On Mac choose TextEdit



If you don't see TextEdit, click other and click TextEdit then open



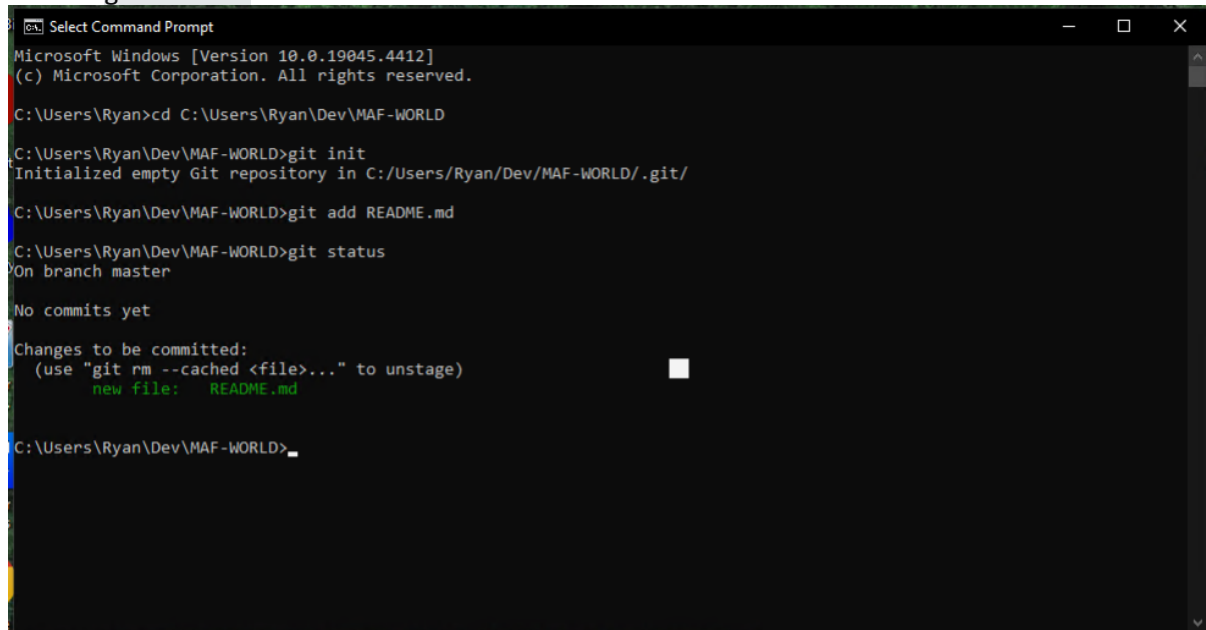
Add some text to the README.md file and save the file.

Tell git to track the changes to the README.md file

In the command prompt / terminal type the following command:

```
git add README.md
```

```
git status
```



You should see README.md under Changes to be committed

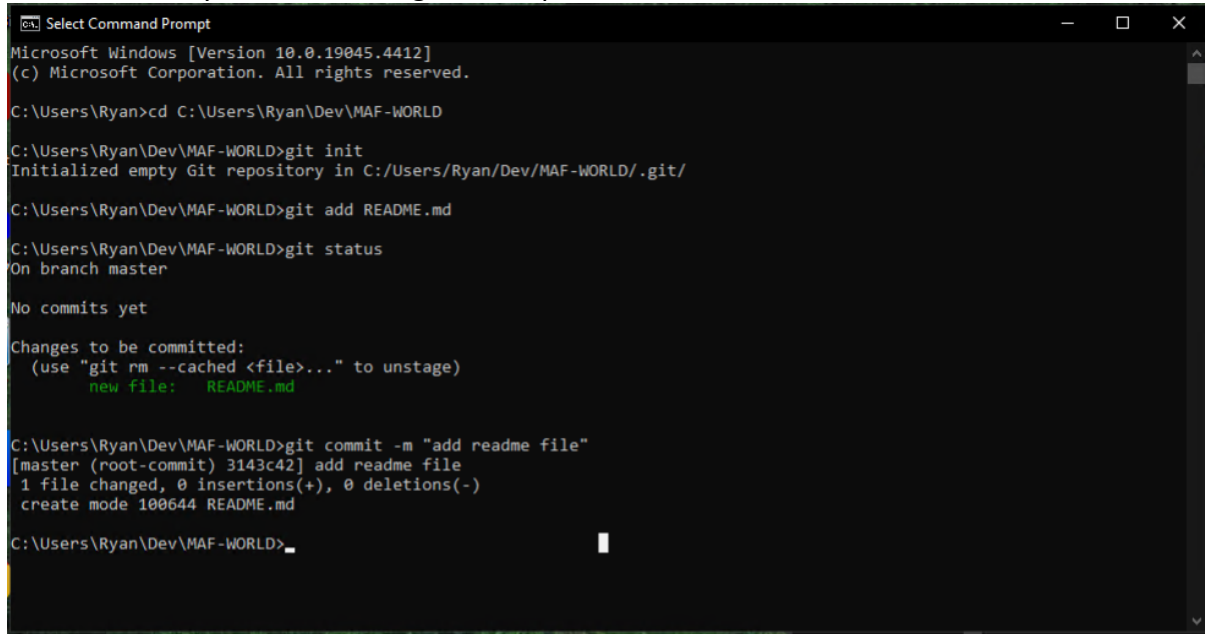
Commit the file:

In the terminal type the following command:

```
git commit -m "add readme file"
```

And press enter

You can add any commit message in the quotes.



```
Microsoft Windows [Version 10.0.19045.4412]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Ryan>cd C:\Users\Ryan\Dev\MAF-WORLD

C:\Users\Ryan\Dev\MAF-WORLD>git init
Initialized empty Git repository in C:/Users/Ryan/Dev/MAF-WORLD/.git/

C:\Users\Ryan\Dev\MAF-WORLD>git add README.md

C:\Users\Ryan\Dev\MAF-WORLD>git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   README.md

C:\Users\Ryan\Dev\MAF-WORLD>git commit -m "add readme file"
[master (root-commit) 3143c42] add readme file
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 README.md

C:\Users\Ryan\Dev\MAF-WORLD>
```

## Push the changes to GitHub

In the terminal / command prompt type the following command:

```
git push
```

The changes should now be on GitHub