Advanced git
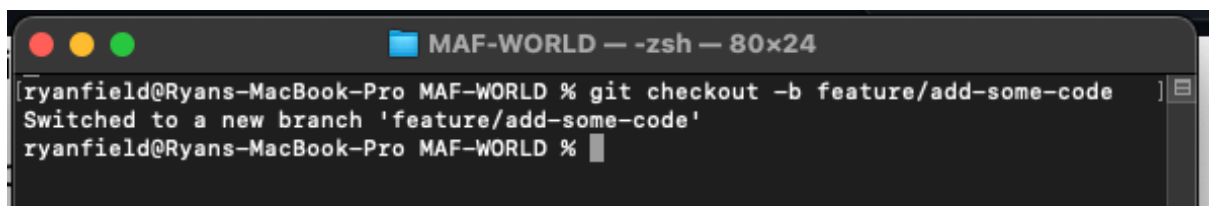
Create and clone a GitHub repository (see Practical 2)

Create a new branch

In a terminal / command prompt run the following commands:

```
git checkout -b feature/add-something
```

NB: Make sure this command is executed in the git repository (you may need to change into the directory using `cd <directory name>`)
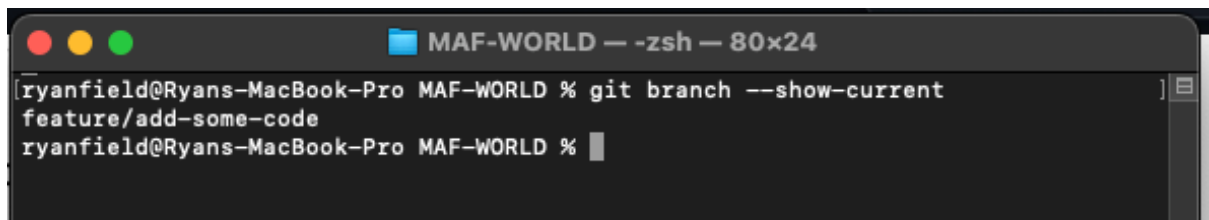

Check the branch you are on

In a terminal / command prompt run the following commands:

```
git branch --show-current
```


Add and commit some files / changes (See Practical 1 & Practical 2)

Switch back to the main branch

In a terminal / command prompt run the following commands:

```
git checkout main
```

Merge any changes from the new branch to the main branch

In a terminal / command prompt run the following commands:

```
git merge feature/add-some-code
```

Delete the new branch

In a terminal / command prompt run the following commands:

```
git branch -d feature/add-some-code
```

Advance GitHub

Follow the steps above until switching back to the main branch

Publish the branch to GitHub
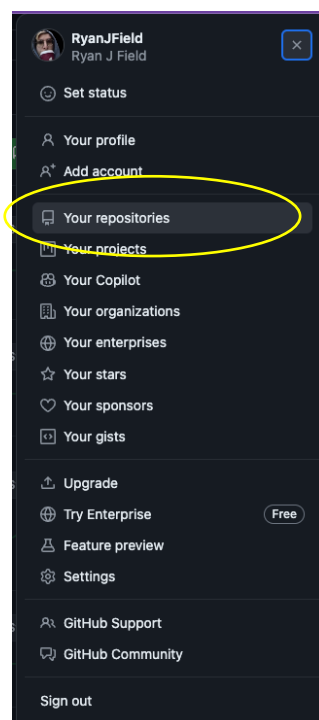
```
git push -u origin feature/add-some-code
```

NB: any further changes can be pushed using git push, after committing the changes

Create a pull request on GitHub

Login to GitHub and navigate to your repository
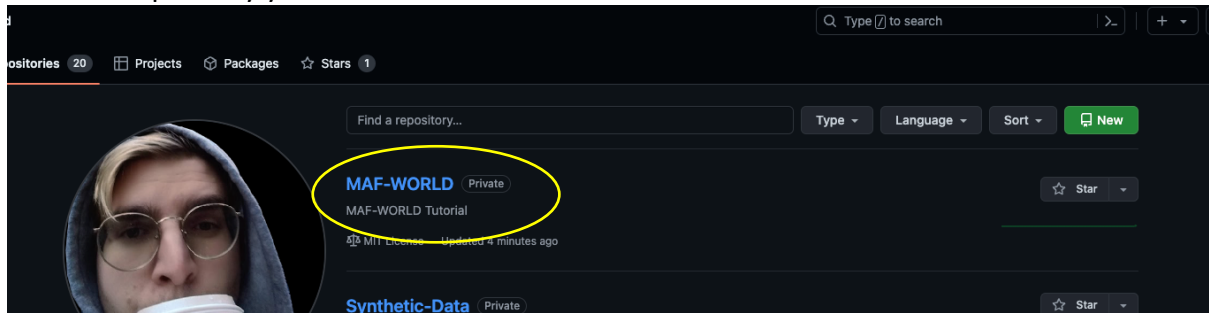

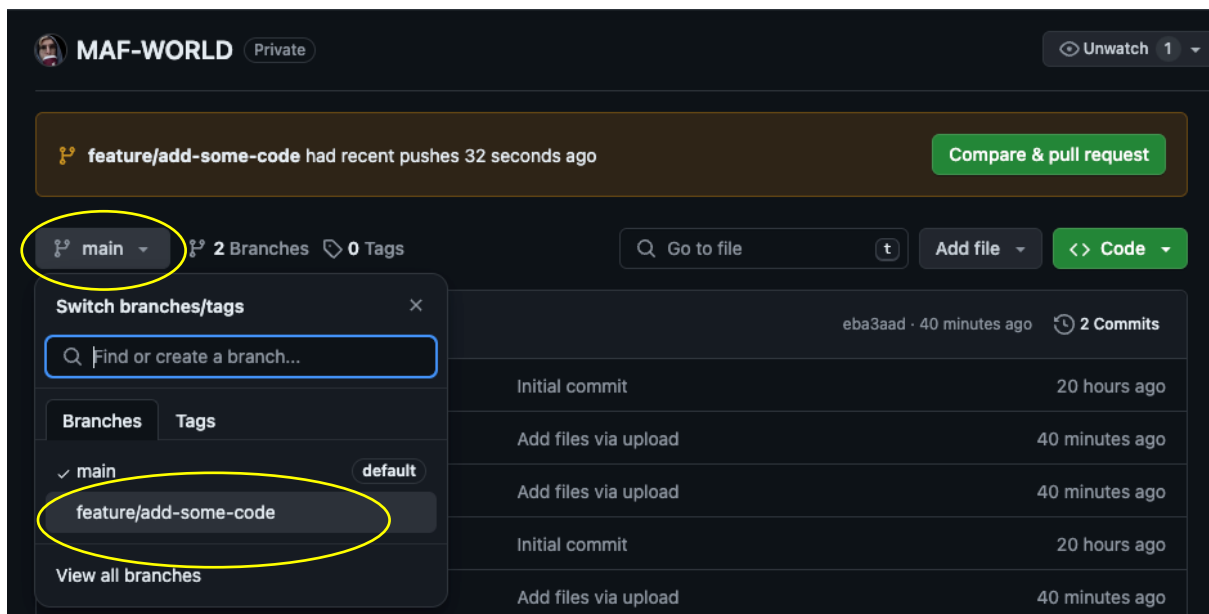Click your profile picture (top right)
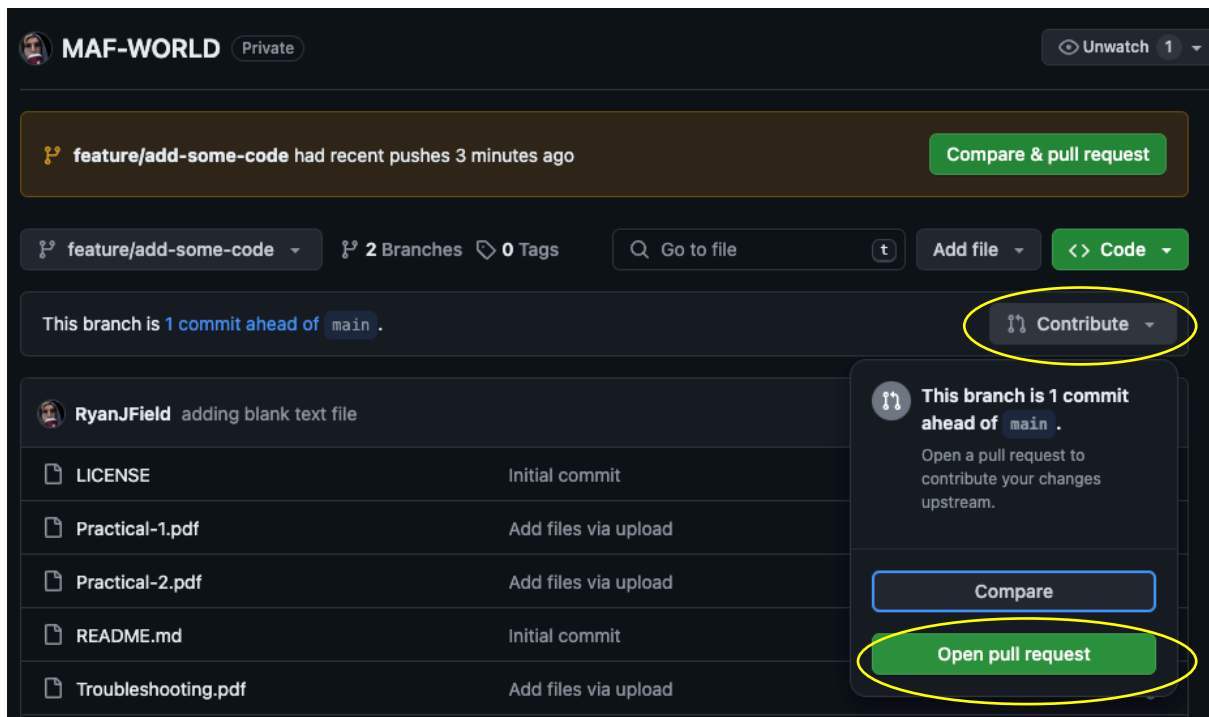

Click your repositories
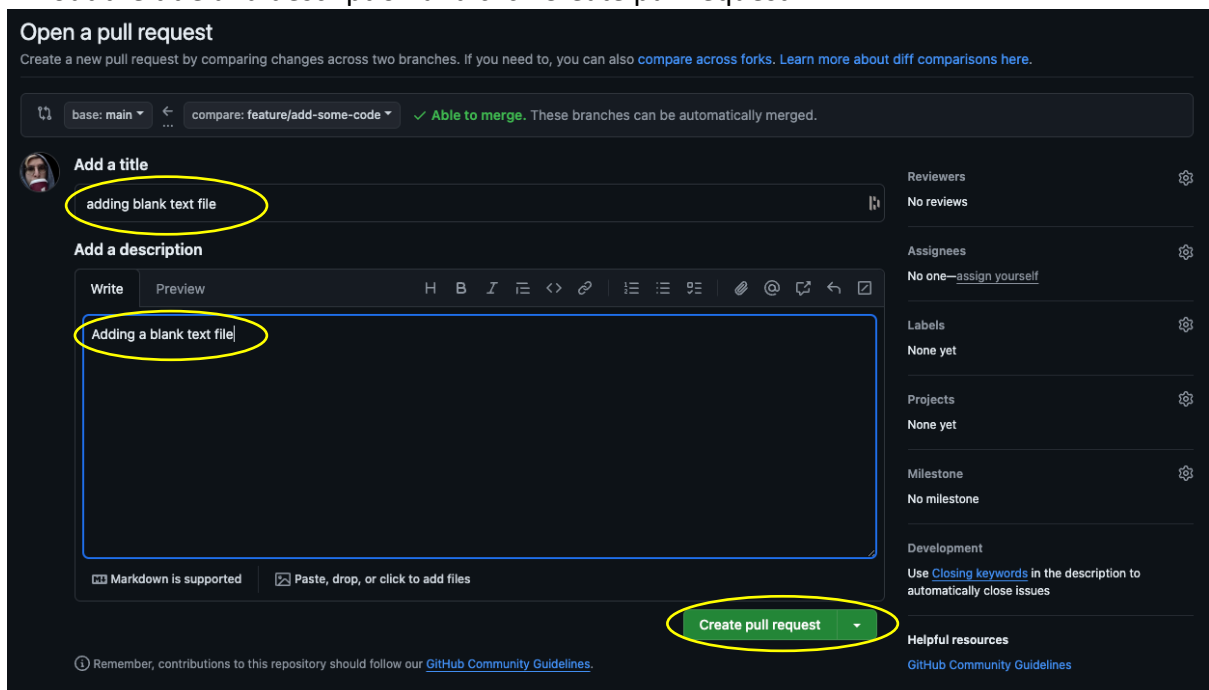
Click the repository you want

Select your new branch from the branches list:

Click Contribute and Open pull request

Fill out the title and description and click Create pull request

Merge the pull request by clicking Merge pull request

Optionally delete the branch after merging the pull request.