

Practical Session 10: Using git

In this last session we will explore using `git`. Here you will work with a repository containing all the lecture slides and example solutions for this course, and create your own repository with all of your work and solutions.

Exercise 1. Preparation

1. Make sure `git` is installed on your machine with

```
git --version
```

Otherwise download it according to your machine.

2. Create a github account if you don't have one: <https://github.com>
3. Set up your Git user name and email

```
git config --global user.name "Your Name"
git config --global user.email "you@example.com"
```

4. Set up SSH authentication to GitHub for easier pushing/pulling (see lecture slides)

Exercise 2. Clone a Repository

1. Clone the repository that contains all the model answers from the practical sessions

```
git clone https://github.com/NatalieW96/Python-Bootcamp.git
cd Python-Bootcamp
```

Remember to clone this in the location you would like the repository.

Exercise 3. Create your Personal GitHub Repository

1. On GitHub, create a new empty repository named `Python-Course-2025`
2. From within `Python-Bootcamp` link your local repository to this new remote repository

```
git remote add myorigin https://github.com/yourusername/Python-Course-2025.git
```

3. Push the current main branch to your remote repo

```
git push -u myorigin master
```

4. Check via the browser that your GitHub now contains the course files
5. Move your own work that you've done over the week into the repository
6. Add the files you've moved to `git` with `git add`
7. Commit the changes with a sensible commit message
8. Push your changes, and check that the changes have successfully been pushed onto the repository in the browser