APIT, Week 1 Laboratory

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Introduction and aims

- Setup your own git repository and commit some changes
- Clone the course git repository
- Compile and run some Java code from the command line

Tasks

1. Setting up a new git repository
   - Open a command prompt, navigate to your home space, make a new folder and, from within it, type `git init`
   - Create a file in this folder (e.g. a text file)
   - Add the file to the repository (see slides)
   - Check the Status
   - Commit the changes
   - Make a new branch and within it, add a new file and commit.
   - Switch back to the original (`master`) branch. What happends to the folder?
2. Clone the course git repository
   - Create a folder in your home space in which you want the material to be stored
   - Clone the repo: `git clone https://github.com/sdrogers/APIT.git`
   - The repo will be updated throughout the course, to get the latest version: `git pull origin master`
3. Compiling Java on the command line
   - Open a text editor (e.g. notepad++) and write a short Java programme with a main method that prints `Hello World`. e.g.

```java
public class HelloWorld {
    public static void main(String[] args) {
        System.out.println("Hello World");
```

```
    }
}
```

- Save it as `HelloWorld.java`
- Open a command prompt
- Navigate to the folder comtaining this file
- Compile the code `javac HelloWorld.java` (this will create a HelloWorld.class file)
- Run the code `java HelloWorld` (note `java` and not `javac` and no extension after the filename)