

Lab 1: Setting-up the git environment

- Watch these videos to have an idea about version control and Git
 - [Version Control 1](#)
 - [Version Control 2](#)
- Create a GitHub account using your uwo email to get educational privileges.
- Intro to GitHub
 - Complete the <https://github.com/skills/introduction-to-github>
 - **Explore:** <https://skills.github.com/> You may find interesting tutorials there.
- Download and install Git on your machine by following the instructions here: <https://git-scm.com/book/en/v2/Getting-Started-Installing-Git>
- Configure your email and user name by running these commands through a command line terminal
 - `git config --global user.email "you@example.com"`
 - `git config --global user.name "YourName"`
- Follow the steps below to work with the GitHub classroom assignment:
 1. Click on the link invitation link: https://classroom.github.com/a/DGvwIL_H
 2. Accept the invite and choose **your student ID** to link to your GitHub account
 3. A repository will be created under your account, click on that repository,
 4. Click on the 'Code' button, then copy the address to the remote repo.

The screenshot shows a GitHub repository page for 'lab1-task1-ShaimaaAli'. The repository is private. The main branch is 'main'. There is 1 branch and 0 tags. The repository was created by 'github-classroom[bot]' with an 'add deadline' note. It contains files '.github' (GitHub Classroom Auto-Grade), 'README.md' (add deadline), and 'hello.py' (Initial commit). The 'Code' button is highlighted with a red circle and an arrow points to the 'HTTPS' cloning URL: <https://github.com/ShaimaaAliECE/lab1-task1-ShaimaaAli>. Other cloning options shown are 'SSH' and 'GitHub CLI'. Below the code button, there are links for 'Open with GitHub Desktop', 'Open with Visual Studio', and 'Download ZIP'. A callout box at the bottom left says 'Lab 1- Task 1: Test connection to GitHub Classroom' with a bullet point: 'Add a the print statement below to the hello.py file and push your changes to the repository created for the GitHub classroom assignment `print("Hello, GitHub Classroom")`'.

5. Create a directory in your computer to be the place of all the labs (**Make sure there are no spaces in the path to that directory from beginning to the end**), and open a terminal inside the directory and clone that remote repo using the command 'git clone <link to the remote repo>'
6. Open the "hello.py" file in VSCode and add the line print("Hello, GitHub Classroom") to it.
 - Please note that your changes are auto-graded so add the line exactly as it is (without extra or missing spaces or any other characters)
7. Follow the instructions in this link to push your changes to the assignment's repo: <https://zeroesandones.medium.com/how-to-commit-and-push-your-changes-to-your-github-repository-in-vscode-77a7a3d7dd02>
(Please note that the 'master' branch is now called 'main' so this is the name that you'll see in the footer bar of your VSCode)
8. You don't need to submit anything to the assignment on OWL, pushing your code to the GitHub repo is the submission.

Please note that: The objective of this lab, is that you setup your environment to be able to work on the coming labs. If you don't do the set-up properly now, you'll have to do double the work in to be able to submit the next lab.

DON'T change the code through the browser, if you have an issue with the proper commit, talk with me or with the TA to figure out what the issue is,