

Assignment 01

Topic: System setup for your project

Things to cover:

1. Describe what is python script, python module and library?
2. Point out the difference and use of .py and .ipynb files.
3. What is VsCode and conda?
4. What is a python environment? How to create multiple python environments? How to activate a particular environment with CLI (Command Line Interface)?
5. How to integrate conda with VS Code?
6. What is git?
7. Create an account on github.
8. Install necessary extensions on VSCode.
9. Define the following terms:
 - a. repo
 - b. stage
 - c. commit
 - d. push
 - e. pull
 - f. merge
 - g. clone
 - h. branch
 - i. fork
 - j. master or main branch
10. Write the command to execute the mentioned tasks in question 9.
11. What is the importance of ReadMe.md and requirements.txt file in a project?
12. Create a project on github and clone it to your device.
13. Modify your cloned project and commit it back to your previously created github account.