

## **Assignment 0**

- Make a GitHub public repository that you will use to store other assignments.
- Write a meaningful description for the repository in the read me file.

## Assignment 1

Write a complete python program to encrypt and decrypt classical ciphers as follows.

- The whole program should be in one .py file.
- The program should support encryption and decryption using shift, affine, and vigenere ciphers.
- The should be callable from command line as follows:
  - First argument is the cipher type ["shift","affine","vigenere"].
  - Second argument is the operation type ["enc", "dec"].
  - The Third argument is the input file.
  - The fourth argument is the output file.
  - The last argument is the the list of **encryption keys** required for the cipher.
- Examples calls from terminal:
  - **solution.py affine decrypt input.text output.text a b**
  - **solution.py shift encrypt input.text output.text a**
- Deliverables:
  - Publish your source code to a folder called "Assignment 1" in the GitHub repository that your created in the assignment 0.
  - Deadline: Monday, 9 March 2020.