**Git Assignment**

**Assignment – 1**

1. Clone our fork of the project locally. (Any github project)
2. Create a descriptive topic branch.
3. Make our change to the code.
4. Check that the change is good.
5. Commit our change to the topic branch.
6. Push our new topic branch back up to our GitHub fork.

**Assignment – 2**

1. Add the original repository as a remote named upstream.
2. Fetch the newest work from that remote.
3. Merge the main branch of that repository into your topic branch.
4. Fix the conflict that occurred.
5. Push back up to the same topic branch.

**Assignment – 3**

1. Fork the project. (Any github project)
2. Create a topic branch from the master.
3. Make some commits to improve the project.
4. Push this branch to your GitHub project.
5. Open a Pull Request on GitHub.
6. Discuss, and optionally continue committing.
7. The project owner merges or closes the Pull Request.
8. Sync the updated master back to your fork.

**Assignment – 4**

**Adding files to the repository**

1. Create a folder with all the necessary files to be pushed into the repository.
2. Open a terminal from VSCode, go to the created folder, and perform the following steps:
   * git init
   * git status
   * git add .
   * git status
   * git commit -m “Any message”
   * Enter the two statements from the notepad(git remote add and git push)
3. Refresh the repository page to see the pushed files.

**Assignment – 5**

**Creating an assignment in the GitHub classroom**

* Click on “Create your first assignment”.
* Enter the title starting with Assign- and followed by a number (Ex: Assign-02) and click on continue.
* Click on select a repository and type the repository name created in GitHub and choose it.
* Select the template repository and click on continue.
* Under Add Autograding tests, click on Add test and choose “run python”.
* For each file in your repository, perform the following steps:
  + Enter the program file name in the test name field.
  + Clear setup command field.
  + Enter the program file name in the test name field.
  + Enter

python3 filename.py - in the run command field.

* + Enter the points for the program (optional).
  + Save the test case and click on create an assignment.