**ART 277 SECTION 4**

*Assignment # 1*

1.Explain in your words the terms Git and Github.

***Answer:*** Git is a tool used for source coding. It is a free and open source version control system that is used to handle or deals with small to very large projects efficiently. Git is used to track changes in the source code, enabling multiple developers to work together. And Github is an internet provider used for hosting software development and version using Git.

2.Explain the steps to download, install and configure Git on your PC.

***Answer:*** If you want to download or use Git, first you have to go on the official website and download it for your operating system. You can install it your computer after downloading it, or better still use commands line to install it. In other to configure Git you have to run a command on the command line than it will show you the current version installed on you your computer.

3.Discuss the process to create and initialize a project in Git.

***Answer:*** To create and initialize a project in Git, you have to create a folder on desktop and name it using the command line than you navigate it to your project location. Now to initialize your project, you can run a command to tell Git to get ready to start watching your files for every changes you make. For example: git init.

4.Explain the steps to pull and push from a local repository to a remote repository.

***Answer:*** There are many steps in pulling and pushing from a local repository to a remote repository. The first step you have to create an account, then second you click the symbol + and select “New repository”.

5. In your own words, explain the term push, pull, commit, stage, and branches in Git.

***Answer:*** In my own word, the term push simply means to create an account on the website. And the term pull simply refers to making a new repository, according to own understanding, commit is the files that have been in a local repository and ready to be pushed to remote repository. Branches can best be explain as creating a copy of a file that you will like to work on without messing up the original copy.

6. Create a github account (if you don’t have) and a repository and submit the repository link with your assignment. (the account username should reflect your full name and the repository your full name and the repository name should be “ART277”)