Lab 6

The objective here is to:

* Create a Repository called Repo1
* Produce a file called “helloworld.java”
* Add it to the master branch
* Commit
* Save a log.txt in another repository called RepoMeta
* Push the log.txt to a host i.e github

**Creating a Repository:**

I create a folder on desktop called **Repo1.** I right clicked and hit *git bash here* that way it opens a terminal at the location of my intended repository. In order for it to be recognized as a repository I used the command *git init*

**Creating helloworld.java**

I used VIM from the Repo1 repository, inserted some text like todays date and hello world, hit ESC, saved the file as *helloworld.java* and exited. Now helloworld.java is in Repo1 but still need to add it to the branch.

**Adding helloworld.java to master**

Right now, I only have the master branch. If I were working on a project then I would create several branches with the *git branch “branchname”* command. Anytime I want to revert back to a previous build, it is just a matter of using *git checkout “branchname”* and that would return the respective project file to the state it was on the branch that it was checked or switched into.

**Making a commit**

In order to push anything I will first need to commit. The commits are also recorded when creating a log file. After I enter *git commit* it opens VIM and I simply uncommented useful information in regards to the recent activity which was just an initial commit and adding hellworld.java to master.

**Creating log.txt**

To create a log.txt I simply used the *git log > “log.txt”* command which pushes a history of commits into a log.txt

**Moving log.txt to RepoMeta (Repeat above steps mostly)**

I create a folder on desktop called **RepoMeta.** I right clicked and hit *git bash here* that way it opens a terminal at the location of my intended repository. In order for it to be recognized as a repository I used the command *git init*

In order to push anything I will first need to commit. The commits are also recorded when creating a log file. After I enter *git commit* it opens VIM and I simply uncommented useful information

**Push the log.txt to a host i.e github**

Then lastly using the *git push origin master.* This requires authentication however afterwards it is pushed into the repo