**Install git in windows machine and launch git bash terminal and run few linux**

**commands.**

* Visit the official Git website: Git Downloads.
* Download the latest version of Git for Windows.
* Run the installer and follow the on-screen instructions. You can choose the default options in most cases.
* Open the git bash and run some basic linux commands like git –version, etc

**Install git in AWS EC2 instance and create 2 empty git repositories. Store some files**

**in both repositories separately.**

* Connect to the EC2 instance of your choice
* Install the git using yum command “***sudo yum install git***”
* Create First repository using the following commands

***mkdir repository1***

***cd repository1***

***git init***

* Adding Some files to the repository created using the following commands

***touch file1.txt***

***echo "Content for file1" > file1.txt***

***git add .***

***git commit -m "Initial commit for repository1"***

* Repeat the above 2 steps for the 2nd repository creation

**Create a repository by storing some files in the same. Now observe all the staging**

**areas by using the appropriate commands.**

* create a repository and add some files as mentioned in the above question follow the same commands
* don’t forget to stage the file using command “***git add <file name with extension>***”
* check the status using “***git status***”
* git diff –staged
* git ls-files –stage
* git commit –m “Commit the Files in the repo”

**Modify an existing file and push that file by using git push command to a sub branch**

**and merge those changes in the main branch.**

* Edit the file you want using the vi command
* Create a new branch and commit changes to that branch using the command “**git checkout -b feature-branch**”
* Add and commit the changes to the edited file
* Push the new branch to the remote repository using the command ” **git push origin feature-branch”**
* Merge the changes from the feature branch to the main branch

***# Switch to the main branch***

***git checkout main***

***# Merge the changes from feature-branch***

***git merge feature-branch***

* Push changes to the remote repository “**git push origin main**”