Obtain and install Git and Creating a new local project and Pushing it to a new Git Repository on github

1. First, make sure to obtain the git client for your OS (i.e. download from the git website at git-scm.com) and install/configure it on your computer.
    1.1. Obtain and install the git client from https://git-scm.com/downloads (As an option, you may also download and setup the Github desktop client app from - https://desktop.github.com/ or some other git GUI client app (e.g. GitKrakken, Atlassian SourceTree etc.), if you like.You may also use the built-in git client from your chosen IDE tool (Eclipse, IntelliJ etc).

    1.2. (Can someone please document the steps here? Let me know if you'll like to :)
    1.3. For Microsoft Windows, do the following...
        1.3.1. step 1: ...
        1.3.2. ...
    1.4. For Mac OS...
    1.5. For Linux ...

    1.6. A couple of global configs to do after installing Git:
    1.7.
        1.7.1. c:\> **git config --global user.name "YourName"**
        1.7.2. c:\> **git config --global user.email "your-email@some-domain.com"**

2. Test the install & config by executing on the cmd-window/terminal, the command:
    2.1. c:\> **git --version**
3. On the cmd-window/terminal, create a project folder and chdir to the project folder.
4. Initialize a git repository in the project folder by executing the cmd - *c:\project-folder>**git init***
5. Create/Add a new file to the project folder. Any filename is ok. e.g. document.txt
6. Display the list of existing source files that need to be added to the repo by running the *cmd - c:\project-folder>**git status***
7. Add all relevant files in preparation for commit - *c:\project-folder>**git add .***
8. Commit the files added - *c:\elibrary>**git commit -m "First cut - minimal springboot webapp"***
9. Sign-in or Sign-up on github here - https://github.com/
10. On github.com, create a new remote repository for the project (preferably with the same project name) and copy the url of the repository.
11. On the command window/terminal, run the following command to add/link the remote repository url to the local repo - *c:\elibrary>**git remote add origin https://github.com/okalu-cs425/elibrary.git***
12. Before pushing the commits up to the remote repo, first fetch any updated source files from the remote repo and have it synched/merged to the local repo by running -

*c:\elibrary>**git pull origin master** (Note: This step may not be necessary, if the remote repo on github was created such that it is totally empty with no source files such as LICENSE, README.md, .gitignore etc. If the repo isn't empty but contains any file(s), then this "git pull..." step becomes necessary; before a git push can be executed successfully).

13. Now, push the committed source files to the remote repository, by running the command - *c:\elibrary>**git push origin master***

14. <u>Additional Practice</u>

15. clone the repository at https://github.com/okalu-cs425/git-demo-1
16. Open the project in your code editor or IDE
17. Add your name to the list of contributors
18. Commit your change and push the updated project to the remote repository
19. Done! The End!!!