**Assignments**

1. What is a Version Control System (VCS) and why is it important?
2. Explain the difference between Centralized VCS and Distributed VCS.
3. What are some examples of Centralized and Distributed VCS?
4. What are the common operations performed by developers in a VCS?
5. What are the key phases in the Git lifecycle workflow?
6. How do you initialize a Git repository locally?
7. Explain the purpose of the command git pull.
8. How can you check the status of your files in a Git repository?
9. What does the command git add . do?
10. Describe the process of committing changes to the local repository in Git.
11. How do you link a local Git repository with a remote repository?
12. How do you push code to a remote Git repository?
13. How to configure your Git user name and email in your machine.
14. Implement below steps to know git workflow.
    1. Go to GitHub and create a new repository named my-repo (make it public and add a README file).
    2. Open Git Bash and navigate to a directory where you want to create your local repository and initialize local repo. Pull code from remote repo.
    3. Create a new file named data1.txt in your local repository and write something in that file.
    4. Add the new file to the staging area.
    5. Commit the changes to the local repository.
    6. Push your changes to the remote repository.
    7. Go to your GitHub repository and verify that the file data1.txt is present and the commit message is correct.
15. What is the use of windows credential manager.