**Assignments**

1. What is a merge conflict in Git, and when does it typically occur?
2. Why is it important to resolve merge conflicts before continuing with a merge?
3. Describe the steps to resolve a merge conflict in Git.
4. What command do you use to check which files have conflicts in your repository?
5. If you encounter a merge conflict, how would you decide which changes to keep?
6. Can you explain what the conflict markers (<<<<<<<, =======, >>>>>>>) represent in a conflicting file?