

# GIT

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## Capabilities covered

- KO observation 1:  
Manage files with Git (move, rename, delete) and update files managed outside Git
- KO observation 2:  
Create branches and resolve merge conflicts
- Non-KO observation 1:  
Setup your IDE to integrate with Git
- Non-KO observation 2:  
Create and fork repositories on GitHub and push changes back after working after working on them locally

## Assignment

→ Clone an existing repository on GitLab created during course and configure your local repo to point to the remote repository

→ Perform some operation like add, remove, modify and finally push your changes to the remote repository

→ Pull the latest changes from the repository to get the updates from others in to your local repo and merge the changes

→ Try fetching the changes and perform the merge to get the difference between the pull and the merge command

→ Perform some changes and before committing the changes, stash your changes and then pull the changes and finally apply the changes to understand how stashing works

→ Create a feature branch and do some file operations in the branch and commit the changes to the branch

→ Merge the changes using the rebase command and finally perform a safe deletion of the feature branch

→ Create another feature branch and this time after committing the changes to the feature branch, merge the changes using fast forward merge and then delete the feature branch