GIT WORKFLOW FUNDAMENTALS

· **Working Directory - or "working tree" is a directory which has the files we are currently working on.**

· **Staging Area - is a list of files which tells what is going to be committed next, proposed next commit.**

· **Local Repo (head) - that is a git repository stored on our device.**

· **Remote repo (master) - it is a git repository that is stored on a remote device and can be accessed online.**

WORKING DIRECTORY STATES:

· **Staged - a modified file in its current version is marked to go into the next commit snapshot.**

· **Modified - there have been changes to the files, but they haven't been committed yet.**

· **Committed - the modified data is stored in the directory.**

GIT COMMANDS:

· **Git add - moves changes(or files) to the staging area**

· **Git commit - saves all staged changes and gives option to leave a comment(description)**

· **Git push - uploads changes from local repository to a remote repository**

· **Git fetch - downloads all changes(files) to local repository**

· **Git merge - adds changes/commits to one line in the repository**

· **Git pull - downloads and integrates changes from remote repository to the local one**