Week 1 Assignment

Ref URL - https://learngitbranching.js.org/

1. Git-hub:
    a. Basic usage using the CLI
        i.   Setup a Local Repository
        ii. Setup a Remote Repository
        iii. Create Local branches (Feature branch, Dev. branch, QA Branch, Master / Prod. Branch, Delivery Branches)
        iv. Create Remote branches
        v.   Add files, Make changes to existing files, Add folders, Remove folders, remove files
        vi. Check-in, Stage, Commit, Push files into Feature Branch
        vii. Promote code from Feature branch to Dev. branch via Pull requests
        viii. Check-out the latest code from remote branch to local branch
        ix. Explore the diff. between Checkout vs Pull
        x.   Get two people to make changes to the same file, check-in & handle merge conflicts
        xi. Ensure the code is in sync. with the latest changes across all branches à from Prod. à QA à Dev. à Feature

    b. Basic usage using the GUI Client (VS Code or Github Client etc.)
        i.   <Repeat all the above steps using a GUI>

    c. On the ground day to day scenarios
        i.   Reset / revert one or more files to the previous state & ignore the local changes (Soft reset & Hard reset)
        ii. Stash the local changes during merge conflicts
        iii. Rebasing with all options (reword, edit, squash, fixup, exec, drop)
        iv. Git log, status & reflog

    d. Follow the assignments / ready made from git guides
        i.   Git command-line interface and conventions   →   git help cli
        ii.   A Git core tutorial for developers   →   git help core-tutorial
        iii. Tweaking diff output   →   git help diffcore
        iv.   A useful minimum set of commands for Everyday Git →   git help everyday
        v.   A Git Glossary   →   git help glossary
        vi.   Specifies intentionally untracked files to ignore → git help ignore
        vii. Defining submodule properties   →   git help modules
        viii. A tutorial introduction to Git   →   git help tutorial
        ix.   A tutorial introduction to Git: part two   →   git help tutorial-2
        x.   An overview of recommended workflows with Git   →   git help workflows