Branching & Merging

Managing branches

git branch bugfix   # Creates a new branch called bugfix

git checkout bugfix   # Switches to the bugfix branch

git switch bugfix   # Same as the above

git switch -C bugfix   # Creates and switches

git branch -d bugfix   # Deletes the bugfix branch

Comparing branches

git log master..bugfix   # Lists the commits in the bugfix branch not in master

git diff master..bugfix   # Shows the summary of changes

Stashing

git stash push -m "New tax rules"   # Creates a new stash

git stash list   # Lists all the stashes

git stash show stash@{1}   # Shows the given stash

git stash show 1   # shortcut for stash@{1}

git stash apply 1   # Applies the given stash to the working dir

git stash drop 1   # Deletes the given stash

git stash clear   # Deletes all the stashes

Merging

git merge bugfix   # Merges the bugfix branch into the current branch

git merge --no-ff bugfix   # Creates a merge commit even if FF is possible

git merge --squash bugfix # Performs a squash merge

git merge --abort   # Aborts the merge

Viewing the merged branches

git branch --merged   # Shows the merged branches

git branch --no-merged   # Shows the unmerged branches

Rebasing

git rebase master   # Changes the base of the current branch

Cherry picking

git cherry-pick dad47ed   # Applies the given commit on the current branch