

GIT TUTORIALS URLS

1. <https://git-scm.com/book/en/v2/Git-Branching-Branches-in-a-Nutshell>
- 2.

To merge a branch into another branch, first run

```
git checkout branch_to_merge_into
then run
git branch branch_to_be_merged
```

GIT COMMANDS AND USAGE

1. git init: Initialises a new empty git repository in the specified directory
2. git clone project_url : copies a the project in the specified git url into the current directory
3. git add . : Adds all untracked files into the staging area for tracking
4. git add 'selected_file_name' : uploads the specified file into the staging area for tracking
5. git commit -m "commit message" : commits the added file(s) to the remote repository. Commits it to the project history
6. git push origin master: pushes the committed files to the remote directory on.
7. git log --online --decorate - list all actions performed previously on master and all branches
8. git checkout branch_name - points HEAD to the specified branch. Routes every other changes made to the branch
9. git log --oneline --decorate --graph --all: prints out the history of your commits, showing where your branch pointers are and how your history has diverged.
10. git checkout -b branch_name - create new branch and check into it (shortcut)
11. git branch -d branch_name : delete the specified branch
12. git stash apply: apply a single stash to the pulled file
13. git stash apply stash@{index} : to apply specified stash
14. git stash list : see a list of available stashes
15. git clone -b <branch_name> <remote_repo> : Clone a specific branch.
16. git reset HEAD@{index} revert to the commit specified by index
17. Use git log --online to show all commits with SHA
18. Use git reflog show to show index of all previous commits
19. git stash clear - clear all stashes

MERGE BRANCHES

checkout of the current branch and check into the branch to merge into

NOTE: Ensure all updates have been saved committed, tested and retested before checking into master branch and merge.

Then.

syntax

git checkout branch_name e.g. master # check into master branch

git merge branch_name # merge branch(e.g. development) with master

git push — —all # updates all previously updated branch if changes were made to other branches

otherwise: git push