**All Git Commands**

**Getting & Creating Projects**

**Command Description**

git init **-->** Initialize a local Git repository

git clone ssh://git@github.com/[username]/[repository-name].git Create a local copy of a remote repository

**Basic Snapshotting**

**Command Description**

git status **-->**  Check status

git add [file-name.txt] **-->** Add a file to the staging area

git add -A **-->** Add all new and changed files to the staging area

git commit -m "[commit message]" **-->** Commit changes

git rm -r [file-name.txt] **-->** Remove a file (or folder)

**Branching & Merging**

**Command Description**

git branch**-->**  List branches (the asterisk denotes the current branch)

git branch -a **-->** List all branches (local and remote)

git branch [branch name] **-->** Create a new branch

git branch -d [branch name] **-->** Delete a branch

git push origin --delete [branch name] **-->** Delete a remote branch

git checkout -b [branch name] **-->** Create a new branch and switch to it

git checkout -b [branch name] origin/[branch name] **-->** Clone a remote branch and switch to it

git checkout [branch name] **-->** Switch to a branch

git checkout - **-->** Switch to the branch last checked out

git checkout -- [file-name.txt] **-->** Discard changes to a file

git merge [branch name] **-->** Merge a branch into the active branch

git merge [source branch] [target branch] **-->** Merge a branch into a target branch

git stash **-->**  Stash changes in a dirty working directory

git stash clear **-->** Remove all stashed entries

**Sharing & Updating Projects**

**Command Description**

git push origin [branch name] **-->** Push a branch to your remote repository

git push -u origin [branch name] **-->** Push changes to remote repository (and remember the branch)

git push Push changes to remote repository (remembered branch)

git push origin --delete [branch name] **-->** Delete a remote branch

git pull Update local repository to the newest commit

git pull origin [branch name] **-->** Pull changes from remote repository

git remote add origin ssh://git@github.com/[username]/[repository-name].git **-->**  Add a remote repository

git remote set-url origin ssh://git@github.com/[username]/[repository-name].git

**-->** Set a repository's origin branch to SSH

**Inspection & Comparison**

**Command Description**

git log **-->** View changes

git log --summary **-->**  View changes (detailed)

git diff [source branch] [target branch] **-->** Preview changes before merging