

DCE Skill Up Workshop 1 – GitHub Fundamentals

Cheat sheet

Git and GitHub links:

Git download: <https://git-scm.com/downloads>

GitHub CLI download: <https://cli.github.com/>

GitHub Sign Up: <https://github.com/join>

Git Commands:

git init	Starts a new repository within the current directory
git config global – set [user.name, user.email] “<name or mail>”	Configures global settings for name or mail on Git
git clone <address>	Retrieves a remote repository and creates a local copy
git status	Shows the difference between the current commit and the current files
git add [<file>, .]	Adds any changes to files in the current directory and subdirectories (using .) or just a single file <file> to the staging area.
git rm <file>	Deletes a file from the repo and sets the status to deleted in the staging area
git commit -m <message>	Creates a commit with message <message> with all the current staged changes
git pull	Retrieves changes from the remote repository into the local one
git push	Send changes from the local repository to the remote one
git branch	Display existing branches and which branch is current
git branch <name>	Creates a new branch of name <name>
git branch -d <name>	Deletes a branch
git checkout <name>	Changes the current branch to <name>
git log	Displays the list of commits made to the repository
git diff <branch 1> <branch 2>	Displays the difference between commits on two different branches
git reset	Removes all staged changes (before they are committed)
git reset --hard	Removes all staged changes and all changes made to files
git reset <commit id>	Removes all commits and sets the current commit to <commit id>

GitHub CLI Commands:

gh auth login	Authorizes gh to perform GitHub operations
gh repo create	Creates a new remote repository
gh repo fork	Creates a fork of the current repository
gh pr create	Creates a new pull request
gh pr merge	Merges a pull request
gh repo delete	Deletes current repository

Git Documentation

Online reference: <https://git-scm.com/docs>

Online book: Learning Git (<https://learning.oreilly.com/library/view/learning-git/9781098133900/>)

GitHub Documentation

Online reference: <https://docs.github.com>

Markdown Documentation

<https://www.markdownguide.org/>

Lab Link

<https://learning.oreilly.com/scenarios/your-first-git/9781098144425/>

Final Test Link

<https://github.com/daniel-sanchez-maersk/GitFundamentals>