10/31/24, 2:44 PM about:blank

Getting Started with Git and GitHub

Module 2 Cheat Sheet: Git Commands and Managing GitHub Projects

Package/Method	Description	Code Example
git add	Used to move changes from the working directory to the staging area	<pre>1. 1 1. git add sample.md Copied!</pre>
git add .	Allows to move the changed files into the staging area on GitHub repositories	1. 1 1. git add . Copied! 1. 1
git am	Used to apply patches emailed to the repository	<pre>1. git am < patchfile.patch Copied!</pre>
git branch	Allows to create an isolated environment within the repository to make changes	<pre>1. 1 1. git branch <new-branch> Copied! 1. 1</new-branch></pre>
git checkout	Allows to see and change existing branches	<pre>1. git checkout <existing-branch> Copied! 1. 1</existing-branch></pre>
git checkout main	Allows to switch to the main branch	1. 1 1. git checkout main Copied! 1. 1
git clone	Allows to create a copy of the remote repository	<pre>1. git clone <repository-url> Copied!</repository-url></pre>
git commit	Allows you to take staged snapshots if changes and commit them to the project	 1. git commit -m "Your commit message here" Copied! Example 1:
git configglobal user.email	Example 1: Sets a global email configuration for Git Example 2: Sets a global username configuration for Git	<pre>1. 1 1. git configglobal user.email "your.email@example.com" Copied! Example 2: 1. 1 1. git configglobal user.name "Your Name"</pre>
git daemon	Used to allow anonymous download from the repository	Copied! 1. 1 1. git daemonreuseaddrverbose Copied! 1. 1
git diff	Helps others to review your code to identify and compare the changes	1. git diff example.txt Copied!
git fetch	Used to transfer the changes from the remote repo to your local repo	 1. git fetch <options> <remote name=""> <branch name=""></branch></remote></options> Copied! 1. 1
git fetch upstream/master	Used to grab upstream branches	git fetch upstream master:upstream-master Copied!
git format-patch	Generates or prepares e-mail submission if you adopt Linux kernel-style public forum workflow	<pre>1. 1 1. git format-patch -n <number_of_commits> Copied!</number_of_commits></pre>

10/31/24, 2:44 PM about:blank

10/31/24, 2:44 PM		about:blank
Package/Method	Description	Code Example
		1. 1 2. 2
		3. 3
git http-backend	Provides a server-side implementation of Git-over-HTTP, allowing both fetch and push services	 git clonebare /path/to/repos/myrepo.git cd myrepo.git git update-server-info
		Copied! 1. 1
git init	Used to clone an existing repository	1. git init <directory> Copied!</directory>
git instaweb	Allows to set up web front-end to Git repositories	1. 1 1. git instaweb -p 8080 Copied!
git log	Enables to browse previous changes to a project	 1. 1 1. git log -p filename Copied!
git merge	Used to merge changes in the active branch into another branch	1. 1 1. git merge feature_branch
	Managa sharrana fasur tha buratunam/mantad buranh	Copied! 1. 1
git merge upstream/master	Merges changes from the 'upstream/master' branch to the current branch	 git merge upstream/master Copied! 1
git pull	Used to transfer the changes from the remote repo to your local repo, and merge them to a branch	1. git pull origin main Copied!
git pull downstream	Pulls changes from a downstream repository, specifically from the master branch of that repository	1. 1 1. git pull downstream main Copied!
git pull upstream	Pulls changes from the "upstream" repository into the current branch	 1. git pull upstream main Copied!
git push	Used to push all the committed changes into the repository	 1. 1 1. git push origin your_branch_name Copied!
git remote	A command to manage a set of tracked repositories	 1. 1 1. git remote add upstream https://github.com/original/repo.git Copied!
git remote add origin <url></url>	Adds a remote repository named "origin" with the specified URL	1. 1 1. git remote add origin https://github.com/yourusername/your-repo.git Copied! 1. 1
git remote add upstream	Adds the original repository as a new remote repository labeled upstream	<pre>1. git remote add upstream https://github.com/original/repo.git</pre>
git remote rename	The git remote rename command is followed by the name of the remote repository(origin) you want to rename and the new name(upstream) you want to give it	1. 1 1. git remote rename origin new-origin Copied! 1. 1
git remote -v	Allows to view the remotes associated with the local repository	1. git remote -v Copied!
git request-pull	Example 1: Creates a summary of changes for your upstream to pull	
	Example 2: Generates a summary of pending changes for an email request	<pre>1. git request-pull origin/main your-branch Copied!</pre>

about:blank 2/3

10/31/24, 2:44 PM about:blank

10/3 1/24, 2.44 PM		about.blank
Package/Method	Description	Code Example
		Example 2:
		1. 1
		<pre>1. git request-pull <base/> <head> <repository></repository></head></pre>
		Copied!
		1. 1
		2. 2
git rerere	Reuses recorded resolution of previously resolved merge conflicts	 git rerere git rerere diff
		Copied!
		1. 1
git reset	Undoes changes that were made to the files in your working directory	1. git reset HEAD~1
	working directory	Copied!
		1. 1
git revert	Used to undo botched commits	1. git revert HEAD
8		Copied!
		Example 1:
		1. 1 2. 2
		 git send-emailto=recipient@example.com
		2. path/to/patchfile.patch
git send-email	Example 1: Sends your email submission without corruption by your MUA	Copied!
git senu-eman	Example 2: Sends a collection of patches as emails	
	Example 2. Selids a concerton of pateness as emans	Example 2:
		1. 1 2. 2
		 git send-emailto recipient@example.com patches/*.patch
		Copied!
		1. 1
git-shell	Used as a restricted login shell for shared central	1. sudo usermod -s /usr/bin/git-shell gituser
	repository users	Copied!
		1. 1
git status	Allows to see the state of your working directory	1. git status
gir startas	and the staged snapshot of the changes	Copied!
		1. 1
-14	Displays the current Git version installed on your	1. gitversion
git version	system	_
		Copied! 1. 1
git web	Provides a web front-end to Git repositories	1. git instawebport=8080
		Copied!



about:blank 3/3