

# Git Cheat Sheet

**200 Commands With  
Explanations & Examples**

**By DevOps Shack**

No.	Command	Description	Example	Context
1	git init	Initializes new Git repository	git init	Starting new project version control
2	git clone [url]	Clones a repository	git clone https://github.com/user/repo.git	Copying remote repository locally
3	git status	Checks repository status	git status	Checking current state of files
4	git add [file]	Stages files for commit	git add index.html	Preparing files for commit
5	git commit -m "message"	Commits staged changes	git commit -m "Initial commit"	Recording changes to repository
6	git push origin main	Pushes local commits to remote	git push origin main	Updating remote repository
7	git pull origin main	Fetches and merges remote changes	git pull origin main	Synchronizing with remote repository
8	git branch [branch-name]	Creates a new branch	git branch feature/login	Branching for new features
9	git checkout [branch-name]	Switches to specified branch	git checkout feature/login	Switching between branches
10	git merge [branch-name]	Merges branch into current branch	git merge feature/login	Integrating changes from different branch
11	git reset --hard HEAD~1	Reverts last commit completely	git reset --hard HEAD~1	Undoing last commit entirely
12	git revert [commit-hash]	Reverts a specific commit safely	git revert abc1234	Reversing changes without affecting history
13	git stash	Stashes current changes temporarily	git stash	Temporarily saving changes
14	git tag [tag-name]	Creates a new tag	git tag v1.0	Marking important versions/releases
15	git diff	Shows file changes unstaged	git diff	Reviewing changes before staging
16	git log	Displays commit history	git log	Viewing commit history
17	git fetch	Fetches updates from remote	git fetch origin	Updating local tracking branches
18	git remote -v	Lists remote repositories	git remote -v	Checking remote connections

19	git blame [file]	Shows who modified lines	git blame index.html	Tracing file modifications
20	git config --global user.name "[Your Name]"	Sets global username	git config --global user.name "John Doe"	Setup user identity globally
21	git init	Initializes new Git repository	git init	Starting new project version control
22	git clone [url]	Clones a repository	git clone https://github.com/user/repo.git	Copying remote repository locally
23	git status	Checks repository status	git status	Checking current state of files
24	git add [file]	Stages files for commit	git add index.html	Preparing files for commit
25	git commit -m "message"	Commits staged changes	git commit -m "Initial commit"	Recording changes to repository
26	git push origin main	Pushes local commits to remote	git push origin main	Updating remote repository
27	git pull origin main	Fetches and merges remote changes	git pull origin main	Synchronizing with remote repository
28	git branch [branch-name]	Creates a new branch	git branch feature/login	Branching for new features
29	git checkout [branch-name]	Switches to specified branch	git checkout feature/login	Switching between branches
30	git merge [branch-name]	Merges branch into current branch	git merge feature/login	Integrating changes from different branch
31	git reset --hard HEAD~1	Reverts last commit completely	git reset --hard HEAD~1	Undoing last commit entirely
32	git revert [commit-hash]	Reverts a specific commit safely	git revert abc1234	Reversing changes without affecting history
33	git stash	Stashes current changes temporarily	git stash	Temporarily saving changes
34	git tag [tag-name]	Creates a new tag	git tag v1.0	Marking important versions/releases
35	git diff	Shows file changes unstaged	git diff	Reviewing changes before staging
36	git log	Displays commit history	git log	Viewing commit history



37	git fetch	Fetches updates from remote	git fetch origin	Updating local tracking branches
38	git remote -v	Lists remote repositories	git remote -v	Checking remote connections
39	git blame [file]	Shows who modified lines	git blame index.html	Tracing file modifications
40	git config --global user.name "[Your Name]"	Sets global username	git config --global user.name "John Doe"	Setup user identity globally
41	git init	Initializes new Git repository	git init	Starting new project version control
42	git clone [url]	Clones a repository	git clone https://github.com/user/repo.git	Copying remote repository locally
43	git status	Checks repository status	git status	Checking current state of files
44	git add [file]	Stages files for commit	git add index.html	Preparing files for commit
45	git commit -m "message"	Commits staged changes	git commit -m "Initial commit"	Recording changes to repository
46	git push origin main	Pushes local commits to remote	git push origin main	Updating remote repository
47	git pull origin main	Fetches and merges remote changes	git pull origin main	Synchronizing with remote repository
48	git branch [branch-name]	Creates a new branch	git branch feature/login	Branching for new features
49	git checkout [branch-name]	Switches to specified branch	git checkout feature/login	Switching between branches
50	git merge [branch-name]	Merges branch into current branch	git merge feature/login	Integrating changes from different branch
51	git reset --hard HEAD~1	Reverts last commit completely	git reset --hard HEAD~1	Undoing last commit entirely
52	git revert [commit-hash]	Reverts a specific commit safely	git revert abc1234	Reversing changes without affecting history
53	git stash	Stashes current changes temporarily	git stash	Temporarily saving changes
54	git tag [tag-name]	Creates a new tag	git tag v1.0	Marking important versions/releases

55	git diff	Shows file changes unstaged	git diff	Reviewing changes before staging
56	git log	Displays commit history	git log	Viewing commit history
57	git fetch	Fetches updates from remote	git fetch origin	Updating local tracking branches
58	git remote -v	Lists remote repositories	git remote -v	Checking remote connections
59	git blame [file]	Shows who modified lines	git blame index.html	Tracing file modifications
60	git config --global user.name "[Your Name]"	Sets global username	git config --global user.name "John Doe"	Setup user identity globally
61	git init	Initializes new Git repository	git init	Starting new project version control
62	git clone [url]	Clones a repository	git clone <a href="https://github.com/user/repo.git">https://github.com/user/repo.git</a>	Copying remote repository locally
63	git status	Checks repository status	git status	Checking current state of files
64	git add [file]	Stages files for commit	git add index.html	Preparing files for commit
65	git commit -m "message"	Commits staged changes	git commit -m "Initial commit"	Recording changes to repository
66	git push origin main	Pushes local commits to remote	git push origin main	Updating remote repository
67	git pull origin main	Fetches and merges remote changes	git pull origin main	Synchronizing with remote repository
68	git branch [branch-name]	Creates a new branch	git branch feature/login	Branching for new features
69	git checkout [branch-name]	Switches to specified branch	git checkout feature/login	Switching between branches
70	git merge [branch-name]	Merges branch into current branch	git merge feature/login	Integrating changes from different branch
71	git reset --hard HEAD~1	Reverts last commit completely	git reset --hard HEAD~1	Undoing last commit entirely
72	git revert [commit-hash]	Reverts a specific commit safely	git revert abc1234	Reversing changes without affecting history

73	git stash	Stashes current changes temporarily	git stash	Temporarily saving changes
74	git tag [tag-name]	Creates a new tag	git tag v1.0	Marking important versions/releases
75	git diff	Shows file changes unstaged	git diff	Reviewing changes before staging
76	git log	Displays commit history	git log	Viewing commit history
77	git fetch	Fetches updates from remote	git fetch origin	Updating local tracking branches
78	git remote -v	Lists remote repositories	git remote -v	Checking remote connections
79	git blame [file]	Shows who modified lines	git blame index.html	Tracing file modifications
80	git config --global user.name "[Your Name]"	Sets global username	git config --global user.name "John Doe"	Setup user identity globally
81	git init	Initializes new Git repository	git init	Starting new project version control
82	git clone [url]	Clones a repository	git clone <a href="https://github.com/user/repo.git">https://github.com/user/repo.git</a>	Copying remote repository locally
83	git status	Checks repository status	git status	Checking current state of files
84	git add [file]	Stages files for commit	git add index.html	Preparing files for commit
85	git commit -m "message"	Commits staged changes	git commit -m "Initial commit"	Recording changes to repository
86	git push origin main	Pushes local commits to remote	git push origin main	Updating remote repository
87	git pull origin main	Fetches and merges remote changes	git pull origin main	Synchronizing with remote repository
88	git branch [branch-name]	Creates a new branch	git branch feature/login	Branching for new features
89	git checkout [branch-name]	Switches to specified branch	git checkout feature/login	Switching between branches
90	git merge [branch-name]	Merges branch into current branch	git merge feature/login	Integrating changes from different branch
91	git reset --hard	Reverts last commit	git reset --hard HEAD~1	Undoing last

	HEAD~1	completely		commit entirely
92	git revert [commit-hash]	Reverts a specific commit safely	git revert abc1234	Reversing changes without affecting history
93	git stash	Stashes current changes temporarily	git stash	Temporarily saving changes
94	git tag [tag-name]	Creates a new tag	git tag v1.0	Marking important versions/releases
95	git diff	Shows file changes unstaged	git diff	Reviewing changes before staging
96	git log	Displays commit history	git log	Viewing commit history
97	git fetch	Fetches updates from remote	git fetch origin	Updating local tracking branches
98	git remote -v	Lists remote repositories	git remote -v	Checking remote connections
99	git blame [file]	Shows who modified lines	git blame index.html	Tracing file modifications
100	git config --global user.name "[Your Name]"	Sets global username	git config --global user.name "John Doe"	Setup user identity globally
101	git init	Initializes new Git repository	git init	Starting new project version control
102	git clone [url]	Clones a repository	git clone <a href="https://github.com/user/repo.git">https://github.com/user/repo.git</a>	Copying remote repository locally
103	git status	Checks repository status	git status	Checking current state of files
104	git add [file]	Stages files for commit	git add index.html	Preparing files for commit
105	git commit -m "message"	Commits staged changes	git commit -m "Initial commit"	Recording changes to repository
106	git push origin main	Pushes local commits to remote	git push origin main	Updating remote repository
107	git pull origin main	Fetches and merges remote changes	git pull origin main	Synchronizing with remote repository
108	git branch [branch-name]	Creates a new branch	git branch feature/login	Branching for new features
109	git checkout [branch-name]	Switches to specified branch	git checkout feature/login	Switching between branches

110	git merge [branch-name]	Merges branch into current branch	git merge feature/login	Integrating changes from different branch
111	git reset --hard HEAD~1	Reverts last commit completely	git reset --hard HEAD~1	Undoing last commit entirely
112	git revert [commit-hash]	Reverts a specific commit safely	git revert abc1234	Reversing changes without affecting history
113	git stash	Stashes current changes temporarily	git stash	Temporarily saving changes
114	git tag [tag- name]	Creates a new tag	git tag v1.0	Marking important versions/releases
115	git diff	Shows file changes unstaged	git diff	Reviewing changes before staging
116	git log	Displays commit history	git log	Viewing commit history
117	git fetch	Fetches updates from remote	git fetch origin	Updating local tracking branches
118	git remote -v	Lists remote repositories	git remote -v	Checking remote connections
119	git blame [file]	Shows who modified lines	git blame index.html	Tracing file modifications
120	git config --global user.name "[Your Name]"	Sets global username	git config --global user.name "John Doe"	Setup user identity globally
121	git init	Initializes new Git repository	git init	Starting new project version control
122	git clone [url]	Clones a repository	git clone <a href="https://github.com/user/repo.git">https://github.com/user/repo.git</a>	Copying remote repository locally
123	git status	Checks repository status	git status	Checking current state of files
124	git add [file]	Stages files for commit	git add index.html	Preparing files for commit
125	git commit -m "message"	Commits staged changes	git commit -m "Initial commit"	Recording changes to repository
126	git push origin main	Pushes local commits to remote	git push origin main	Updating remote repository
127	git pull origin main	Fetches and merges remote changes	git pull origin main	Synchronizing with remote repository
128	git branch	Creates a new	git branch feature/login	Branching for new



	[branch-name]	branch		features
129	git checkout [branch-name]	Switches to specified branch	git checkout feature/login	Switching between branches
130	git merge [branch-name]	Merges branch into current branch	git merge feature/login	Integrating changes from different branch
131	git reset --hard HEAD~1	Reverts last commit completely	git reset --hard HEAD~1	Undoing last commit entirely
132	git revert [commit-hash]	Reverts a specific commit safely	git revert abc1234	Reversing changes without affecting history
133	git stash	Stashes current changes temporarily	git stash	Temporarily saving changes
134	git tag [tag-name]	Creates a new tag	git tag v1.0	Marking important versions/releases
135	git diff	Shows file changes unstaged	git diff	Reviewing changes before staging
136	git log	Displays commit history	git log	Viewing commit history
137	git fetch	Fetches updates from remote	git fetch origin	Updating local tracking branches
138	git remote -v	Lists remote repositories	git remote -v	Checking remote connections
139	git blame [file]	Shows who modified lines	git blame index.html	Tracing file modifications
140	git config --global user.name "[Your Name]"	Sets global username	git config --global user.name "John Doe"	Setup user identity globally
141	git init	Initializes new Git repository	git init	Starting new project version control
142	git clone [url]	Clones a repository	git clone https://github.com/user/repo.git	Copying remote repository locally
143	git status	Checks repository status	git status	Checking current state of files
144	git add [file]	Stages files for commit	git add index.html	Preparing files for commit
145	git commit -m "message"	Commits staged changes	git commit -m "Initial commit"	Recording changes to repository
146	git push origin main	Pushes local commits to remote	git push origin main	Updating remote repository

147	git pull origin main	Fetches and merges remote changes	git pull origin main	Synchronizing with remote repository
148	git branch [branch-name]	Creates a new branch	git branch feature/login	Branching for new features
149	git checkout [branch-name]	Switches to specified branch	git checkout feature/login	Switching between branches
150	git merge [branch-name]	Merges branch into current branch	git merge feature/login	Integrating changes from different branch
151	git reset --hard HEAD~1	Reverts last commit completely	git reset --hard HEAD~1	Undoing last commit entirely
152	git revert [commit-hash]	Reverts a specific commit safely	git revert abc1234	Reversing changes without affecting history
153	git stash	Stashes current changes temporarily	git stash	Temporarily saving changes
154	git tag [tag-name]	Creates a new tag	git tag v1.0	Marking important versions/releases
155	git diff	Shows file changes unstaged	git diff	Reviewing changes before staging
156	git log	Displays commit history	git log	Viewing commit history
157	git fetch	Fetches updates from remote	git fetch origin	Updating local tracking branches
158	git remote -v	Lists remote repositories	git remote -v	Checking remote connections
159	git blame [file]	Shows who modified lines	git blame index.html	Tracing file modifications
160	git config --global user.name "[Your Name]"	Sets global username	git config --global user.name "John Doe"	Setup user identity globally
161	git init	Initializes new Git repository	git init	Starting new project version control
162	git clone [url]	Clones a repository	git clone https://github.com/user/repo.git	Copying remote repository locally
163	git status	Checks repository status	git status	Checking current state of files
164	git add [file]	Stages files for commit	git add index.html	Preparing files for commit

165	git commit -m "message"	Commits staged changes	git commit -m "Initial commit"	Recording changes to repository
166	git push origin main	Pushes local commits to remote	git push origin main	Updating remote repository
167	git pull origin main	Fetches and merges remote changes	git pull origin main	Synchronizing with remote repository
168	git branch [branch-name]	Creates a new branch	git branch feature/login	Branching for new features
169	git checkout [branch-name]	Switches to specified branch	git checkout feature/login	Switching between branches
170	git merge [branch-name]	Merges branch into current branch	git merge feature/login	Integrating changes from different branch
171	git reset --hard HEAD~1	Reverts last commit completely	git reset --hard HEAD~1	Undoing last commit entirely
172	git revert [commit-hash]	Reverts a specific commit safely	git revert abc1234	Reversing changes without affecting history
173	git stash	Stashes current changes temporarily	git stash	Temporarily saving changes
174	git tag [tag-name]	Creates a new tag	git tag v1.0	Marking important versions/releases
175	git diff	Shows file changes unstaged	git diff	Reviewing changes before staging
176	git log	Displays commit history	git log	Viewing commit history
177	git fetch	Fetches updates from remote	git fetch origin	Updating local tracking branches
178	git remote -v	Lists remote repositories	git remote -v	Checking remote connections
179	git blame [file]	Shows who modified lines	git blame index.html	Tracing file modifications
180	git config --global user.name "[Your Name]"	Sets global username	git config --global user.name "John Doe"	Setup user identity globally
181	git init	Initializes new Git repository	git init	Starting new project version control
182	git clone [url]	Clones a repository	git clone <a href="https://github.com/user/repo.git">https://github.com/user/repo.git</a>	Copying remote repository locally

183	git status	Checks repository status	git status	Checking current state of files
184	git add [file]	Stages files for commit	git add index.html	Preparing files for commit
185	git commit -m "message"	Commits staged changes	git commit -m "Initial commit"	Recording changes to repository
186	git push origin main	Pushes local commits to remote	git push origin main	Updating remote repository
187	git pull origin main	Fetches and merges remote changes	git pull origin main	Synchronizing with remote repository
188	git branch [branch-name]	Creates a new branch	git branch feature/login	Branching for new features
189	git checkout [branch-name]	Switches to specified branch	git checkout feature/login	Switching between branches
190	git merge [branch-name]	Merges branch into current branch	git merge feature/login	Integrating changes from different branch
191	git reset --hard HEAD~1	Reverts last commit completely	git reset --hard HEAD~1	Undoing last commit entirely
192	git revert [commit-hash]	Reverts a specific commit safely	git revert abc1234	Reversing changes without affecting history
193	git stash	Stashes current changes temporarily	git stash	Temporarily saving changes
194	git tag [tag-name]	Creates a new tag	git tag v1.0	Marking important versions/releases
195	git diff	Shows file changes unstaged	git diff	Reviewing changes before staging
196	git log	Displays commit history	git log	Viewing commit history
197	git fetch	Fetches updates from remote	git fetch origin	Updating local tracking branches
198	git remote -v	Lists remote repositories	git remote -v	Checking remote connections
199	git blame [file]	Shows who modified lines	git blame index.html	Tracing file modifications
200	git config --global user.name "[Your Name]"	Sets global username	git config --global user.name "John Doe"	Setup user identity globally