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kali@kali: ~/Desktop/Devops1
File Actions Edit View Help
(kali@kali)-[~/Desktop/Devops1]
$ git add Prg2.txt
(kali@kali)-[~/Desktop/Devops1]
$ git add prg1.txt
(kali@kali)-[~/Desktop/Devops1]
$ git status
On branch master
No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   Prg2.txt
        new file:   prg1.txt

(kali@kali)-[~/Desktop/Devops1]
$ git commit -m "First Version"
[master (root-commit) 7e8fbf4] First Version
 2 files changed, 2 insertions(+)
 create mode 100644 Prg2.txt
 create mode 100644 prg1.txt
(kali@kali)-[~/Desktop/Devops1]
$ git remote add origin https://github.com/Pavan0604/Devops
(kali@kali)-[~/Desktop/Devops1]
$ git push -u origin master
Username for 'https://github.com': Pavan0604
Password for 'https://Pavan0604@github.com':
remote: Support for password authentication was removed on August 13, 2021. P
lease use a personal access token instead.
remote: Please see https://github.blog/2020-12-15-token-authentication-require
ments-for-git-operations/ for more information.
fatal: Authentication failed for 'https://github.com/Pavan0604/Devops/'
(kali@kali)-[~/Desktop/Devops1]
$ git push -u origin master
Username for 'https://github.com': Pavan0604
Password for 'https://Pavan0604@github.com':
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 277 bytes | 277.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Pavan0604/Devops
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
(kali@kali)-[~/Desktop/Devops1]
$
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```
kali@kali: ~/Desktop/Devops1
File Actions Edit View Help
(kali@kali)-[~/Desktop/Devops1]
$ git commit -a -m "Second Version"
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean
(kali@kali)-[~/Desktop/Devops1]
$ ls
prg1.txt  prg2.txt
(kali@kali)-[~/Desktop/Devops1]
$ git log
commit 7e8fbf408bdf7e73cec9644fa47b63e501be8251 (HEAD -> master, origin/master)
Author: Pavan0604 <pavankumar93035@gmail.com>
Date: Thu Aug 26 07:37:43 2021 -0400

    First Version
(kali@kali)-[~/Desktop/Devops1]
$ ls
prg1.txt  prg2.txt
(kali@kali)-[~/Desktop/Devops1]
$ nano prg1.txt
(kali@kali)-[~/Desktop/Devops1]
$ nano prg2.txt
(kali@kali)-[~/Desktop/Devops1]
$ git commit -a -m "Second Version"
[master 9127881] Second Version
2 files changed, 6 insertions(+), 2 deletions(-)
(kali@kali)-[~/Desktop/Devops1]
$ git log
commit 9127881f87e0f9ca703d1191e6ddbd42f1a110e6 (HEAD -> master)
Author: Pavan0604 <pavankumar93035@gmail.com>
Date: Thu Aug 26 07:46:42 2021 -0400

    Second Version

commit 7e8fbf408bdf7e73cec9644fa47b63e501be8251 (origin/master)
Author: Pavan0604 <pavankumar93035@gmail.com>
Date: Thu Aug 26 07:37:43 2021 -0400

    First Version
(kali@kali)-[~/Desktop/Devops1]
$
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kali@kali: ~/Desktop/Devops1
File Actions Edit View Help
(kali@kali)-[~/Desktop/Devops1]
$ git checkout Branch2
M   Prg2.txt
Already on 'Branch2'
(kali@kali)-[~/Desktop/Devops1]
$ git status
On branch Branch2
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   Prg2.txt

no changes added to commit (use "git add" and/or "git commit -a")
(kali@kali)-[~/Desktop/Devops1]
$ git add -all
error: did you mean '--all' (with two dashes)?
(kali@kali)-[~/Desktop/Devops1]
$ git add --all
(kali@kali)-[~/Desktop/Devops1]
$ git sta
git: 'sta' is not a git command. See 'git --help'.

The most similar commands are
  status
  stage
  stash
(kali@kali)-[~/Desktop/Devops1]
$ git status
On branch Branch2
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   Prg2.txt

(kali@kali)-[~/Desktop/Devops1]
$ git commit -m "After Branching"
[Branch2 638452c] After Branching
 1 file changed, 2 insertions(+), 1 deletion(-)
(kali@kali)-[~/Desktop/Devops1]
$ git status
On branch Branch2
nothing to commit, working tree clean
(kali@kali)-[~/Desktop/Devops1]
$ git log
commit 638452c1c4ef357d2a9c70310a54561395067505 (HEAD -> Branch2)
Author: Pavan0604 <pavankumar93035@gmail.com>
Date: Thu Aug 26 07:58:59 2021 -0400

    After Branching

commit 9127881f87e0f9ca703d1191e6ddbd42f1a110e6 (master, Profit-Loss, Branch1)
Author: Pavan0604 <pavankumar93035@gmail.com>
Date: Thu Aug 26 07:46:42 2021 -0400
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kali@kali: ~/Desktop/Devops1
File Actions Edit View Help
(kali@kali)-[~/Desktop/Devops1]
└─$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)
(kali@kali)-[~/Desktop/Devops1]
└─$ ls
prg1.txt  Prg2.txt
(kali@kali)-[~/Desktop/Devops1]
└─$ git merge Branch1
Already up to date.
(kali@kali)-[~/Desktop/Devops1]
└─$ git merge Branch2
Updating 9127881..638452c
Fast-forward
 Prg2.txt | 3 ++-
 1 file changed, 2 insertions(+), 1 deletion(-)
(kali@kali)-[~/Desktop/Devops1]
└─$ git branch -d Branch1
Deleted branch Branch1 (was 9127881).
(kali@kali)-[~/Desktop/Devops1]
└─$ git branch -d Branch2
Deleted branch Branch2 (was 638452c).
(kali@kali)-[~/Desktop/Devops1]
└─$ ls
prg1.txt  Prg2.txt
(kali@kali)-[~/Desktop/Devops1]
└─$ git log
commit 638452c1c4ef357d2a9c70310a54561395067505 (HEAD -> master)
Author: Pavan0604 <pavankumar93035@gmail.com>
Date: Thu Aug 26 07:58:59 2021 -0400

    After Branching

commit 9127881f87e0f9ca703d1191e6ddbd42f1a110e6 (Profit-Loss)
Author: Pavan0604 <pavankumar93035@gmail.com>
Date: Thu Aug 26 07:46:42 2021 -0400

    Second Version

commit 7e8fbf408bdf7e73cec9644fa47b63e501be8251 (origin/master)
Author: Pavan0604 <pavankumar93035@gmail.com>
Date: Thu Aug 26 07:37:43 2021 -0400

    First Version
(kali@kali)-[~/Desktop/Devops1]
└─$
```

```
kali@kali: ~/Desktop/Devops1
File Actions Edit View Help
└─$ git commit -m "added new changes"
[Branch1 bb4b406] added new changes
2 files changed, 3 insertions(+), 1 deletion(-)
└─(kali@kali)-[~/Desktop/Devops1]
└─$ git checkout Branch1
Already on 'Branch1'
└─(kali@kali)-[~/Desktop/Devops1]
└─$ ls
prg1.txt  prg2.txt  temp.txt
└─(kali@kali)-[~/Desktop/Devops1]
└─$ nano prg2.txt
└─(kali@kali)-[~/Desktop/Devops1]
└─$ nano temp.txt
└─(kali@kali)-[~/Desktop/Devops1]
└─$ git add --a
└─(kali@kali)-[~/Desktop/Devops1]
└─$ git add --all
└─(kali@kali)-[~/Desktop/Devops1]
└─$ git commit -m "Updated"
[Branch1 d553dc6] Updated
2 files changed, 3 insertions(+)
└─(kali@kali)-[~/Desktop/Devops1]
└─$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 4 commits.
(use "git push" to publish your local commits)
└─(kali@kali)-[~/Desktop/Devops1]
└─$ git merge Branch1
Merge made by the 'recursive' strategy.
Prg2.txt | 2 ++
temp.txt | 3 +++
2 files changed, 5 insertions(+)
└─(kali@kali)-[~/Desktop/Devops1]
└─$ git sta
git: 'sta' is not a git command. See 'git --help'.

The most similar commands are
    status
    stage
    stash
└─(kali@kali)-[~/Desktop/Devops1]
└─$ git status
On branch master
Your branch is ahead of 'origin/master' by 7 commits.
(use "git push" to publish your local commits)

nothing to commit, working tree clean
└─(kali@kali)-[~/Desktop/Devops1]
└─$
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kali@kali: ~/Desktop/Devops1
File Actions Edit View Help
(kali@kali)-[~/Desktop/Devops1]
$ git checkout Branch3
Already on 'Branch3'
(kali@kali)-[~/Desktop/Devops1]
$ ls
Prg2.txt  temp.txt
(kali@kali)-[~/Desktop/Devops1]
$ nano Prg3.c
(kali@kali)-[~/Desktop/Devops1]
$ ls
Prg2.txt  Prg3.c  temp.txt
(kali@kali)-[~/Desktop/Devops1]
$ git checkout Branch2
Switched to branch 'Branch2'
(kali@kali)-[~/Desktop/Devops1]
$ ls
prg1.txt  Prg2.txt  Prg3.c
(kali@kali)-[~/Desktop/Devops1]
$ nano Prg2.txt
(kali@kali)-[~/Desktop/Devops1]
$ git commit -m "Branch3 created"
On branch Branch2
Changes not staged for commit:
  (use "git add <file> ..." to update what will be committed)
  (use "git restore <file> ..." to discard changes in working directory)
        modified:   Prg2.txt

Untracked files:
  (use "git add <file> ..." to include in what will be committed)
        Prg3.c

no changes added to commit (use "git add" and/or "git commit -a")
(kali@kali)-[~/Desktop/Devops1]
$ git add --all
(kali@kali)-[~/Desktop/Devops1]
$ git commit -m "Branch3 created"
[Branch2 cc0c60c] Branch3 created
2 files changed, 7 insertions(+)
create mode 100644 Prg3.c
(kali@kali)-[~/Desktop/Devops1]
$ git checkout Branch3
Switched to branch 'Branch3'
(kali@kali)-[~/Desktop/Devops1]
$ git status
On branch Branch3
nothing to commit, working tree clean
(kali@kali)-[~/Desktop/Devops1]
$ git commit -m "Upto date"
On branch Branch3
nothing to commit, working tree clean
(kali@kali)-[~/Desktop/Devops1]
$ git push origin Branch3
Username for 'https://github.com': Pavan0604
```



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kali@kali: ~/Desktop/Devops1
File Actions Edit View Help
(kali@kali)-[~/Desktop/Devops1]
$ rename Prg2.txt PRG.txt
Command 'rename' not found, did you mean:
command 'vrename' from deb libverilog-perl
command 'krename' from deb krename
command 'arename' from deb arename
command 'hrename' from deb hfsutils
command 'prename' from deb rename
command 'mrename' from deb mrename
Try: sudo apt install <deb name>
(kali@kali)-[~/Desktop/Devops1]
$ code PRG1.txt
(kali@kali)-[~/Desktop/Devops1]
$ nano Prg2.txt
(kali@kali)-[~/Desktop/Devops1]
$ ls
prg1.txt PRG1.txt Prg2.txt Prg3.c
(kali@kali)-[~/Desktop/Devops1]
$ rm Prg2.txt
(kali@kali)-[~/Desktop/Devops1]
$ ls
prg1.txt PRG1.txt Prg3.c
(kali@kali)-[~/Desktop/Devops1]
$ git add --all
(kali@kali)-[~/Desktop/Devops1]
$ git commit -m "updated"
[Branch2 169f893] updated
1 file changed, 0 insertions(+), 0 deletions(-)
rename Prg2.txt => PRG1.txt (100%)
(kali@kali)-[~/Desktop/Devops1]
$ git push origin Branch2
Username for 'https://github.com': Pavan0604
Password for 'https://Pavan0604@github.com':
remote: Invalid username or password.
fatal: Authentication failed for 'https://github.com/Pavan0604/Devops/'
(kali@kali)-[~/Desktop/Devops1]
$ git push origin Branch2
Username for 'https://github.com': Pavan0604
Password for 'https://Pavan0604@github.com':
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Compressing objects: 100% (9/9), done.
Writing objects: 100% (9/9), 978 bytes | 163.00 KiB/s, done.
Total 9 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
remote:
remote: Create a pull request for 'Branch2' on GitHub by visiting:
remote:   https://github.com/Pavan0604/Devops/pull/new/Branch2
remote:
To https://github.com/Pavan0604/Devops
 * [new branch]      Branch2 -> Branch2
(kali@kali)-[~/Desktop/Devops1]
$
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kali@kali: ~/Desktop/Devops1
File Actions Edit View Help
(kali@kali)-[~/Desktop/Devops1]
$ git log --oneline
169f893 (HEAD -> Branch2, origin/Branch2) updated
e0ec528 Update the progema
cc0c60c Branch3 created
638452c After Branching
9127881 (Profit-Loss) Second Version
7e8fbf4 (origin/master) First Version
(kali@kali)-[~/Desktop/Devops1]
$ git reset
(kali@kali)-[~/Desktop/Devops1]
$ git reset e0ec528
Unstaged changes after reset:
D   Prg2.txt
(kali@kali)-[~/Desktop/Devops1]
$ git log --oneline
fatal: unrecognized argument: --oneline
(kali@kali)-[~/Desktop/Devops1]
$ git log --oneline
e0ec528 (HEAD -> Branch2) Update the progema
cc0c60c Branch3 created
638452c After Branching
9127881 (Profit-Loss) Second Version
7e8fbf4 (origin/master) First Version
(kali@kali)-[~/Desktop/Devops1]
$
```