



MORE GIT COMMANDS

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(screenshots) adding VS Code Editor

```
Successfully rebased and updated refs/heads/ticket1.  
  
C:\DevOpsWeek2\rbc>git log --oneline  
2fccdb6 (HEAD -> ticket1) file1 is added  
aa8be69 (master) added to this file  
  
C:\DevOpsWeek2\rbc>git config --global core.editor "code --wait"  
  
C:\DevOpsWeek2\rbc>git config --global -e  
  
C:\DevOpsWeek2\rbc>git config --global core.autocrlf true  
  
C:\DevOpsWeek2\rbc>
```

Git branch and log --oneline command

```
C:\DevOpsWeek2\rbc>git add file1.txt

C:\DevOpsWeek2\rbc>git commit -m "added some more"
[ticket1 9d55523] added some more
 1 file changed, 3 insertions(+), 1 deletion(-)

C:\DevOpsWeek2\rbc>git branch
  master
* ticket1

C:\DevOpsWeek2\rbc>git log --oneline
9d55523 (HEAD -> ticket1) added some more
2fccdb6 file1 is added
aa8be69 (master) added to this file

C:\DevOpsWeek2\rbc>git commit -a -m "added once more"
[ticket1 3abb0f7] added once more
 1 file changed, 1 insertion(+)

C:\DevOpsWeek2\rbc>git log --oneline
3abb0f7 (HEAD -> ticket1) added once more
9d55523 added some more
2fccdb6 file1 is added
aa8be69 (master) added to this file

C:\DevOpsWeek2\rbc>git add file1.txt
```

Merge-base and rebase command

```
3abb0f7 (HEAD -> ticket1) added once more
9d55523 added some more
2fccdb6 file1 is added
aa8be69 (master) added to this file

C:\DevOpsWeek2\rbc>git add file1.txt

C:\DevOpsWeek2\rbc>git commit -m "added once more"
On branch ticket1
nothing to commit, working tree clean

C:\DevOpsWeek2\rbc>git log --oneline
3abb0f7 (HEAD -> ticket1) added once more
9d55523 added some more
2fccdb6 file1 is added
aa8be69 (master) added to this file

C:\DevOpsWeek2\rbc>git merge-base ticket1 master
aa8be694fc0791f28a84f7f0574548f181a4c2e4

C:\DevOpsWeek2\rbc>git rebase -i aa8be69
hint: Waiting for your editor to close the file...
```

Contd... (this is in the editor)

```
git-rebase-todo X
C: > DevOpsWeek2 > rbc > .git > rebase-merge > git-rebase-todo
1  pick 2fccdb6 file1 is added
2  pick 9d55523 added some more
3  pick 3abb0f7 added once more
4
5  # Rebase aa8be69..3abb0f7 onto aa8be69 (3 commands)
6  #
7  # Commands:
8  # p, pick <commit> = use commit
9  # r, reword <commit> = use commit, but edit the commit message
10 # e, edit <commit> = use commit, but stop for amending
11 # s, squash <commit> = use commit, but meld into previous commit
12 # f, fixup <commit> = like "squash", but discard this commit's log message
13 # x, exec <command> = run command (the rest of the line) using shell
14 # b, break = stop here (continue rebase later with 'git rebase --continue')
15 # d, drop <commit> = remove commit
16 # l, label <label> = label current HEAD with a name
17 # t, reset <label> = reset HEAD to a label
18 # m, merge [-C <commit> | -c <commit>] <label> [# <oneline>]
19 # .      create a merge commit using the original merge commit's
20 # .      message (or the oneline, if no original merge commit was
21 # .      specified). Use -c <commit> to reword the commit message.
22 #
```

Contd... (rebased and updated)

```
C:\DevOpsWeek2\rbc>git merge-base ticket1 master
aa8be694fc0791f28a84f7f0574548f181a4c2e4

C:\DevOpsWeek2\rbc>git rebase -i aa8be69
Successfully rebased and updated refs/heads/ticket1.

C:\DevOpsWeek2\rbc>git log --oneline
3abb0f7 (HEAD -> ticket1) added once more
9d55523 added some more
2fccdb6 file1 is added
aa8be69 (master) added to this file
```


Cherry-pick commands (1)

```
Microsoft Windows [Version 10.0.18363.1379]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\DevOpsWeek2\cherry pick>git init
Initialized empty Git repository in C:/DevOpsWeek2/cherry pick/.git/

C:\DevOpsWeek2\cherry pick>code 1.txt

C:\DevOpsWeek2\cherry pick>git add 1.txt

C:\DevOpsWeek2\cherry pick>git commit -m "added 1"
[master (root-commit) b0fe7e1] added 1
 1 file changed, 1 insertion(+)
 create mode 100644 1.txt

C:\DevOpsWeek2\cherry pick>git checkout -b x
Switched to a new branch 'x'

C:\DevOpsWeek2\cherry pick>code 2.txt

C:\DevOpsWeek2\cherry pick>git commit -a -m "added 2"
On branch x
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    2.txt

nothing added to commit but untracked files present (use "git add" to track)

C:\DevOpsWeek2\cherry pick>git add 2.txt
```

Cherry-pick (2)

```
Select C:\windows\system32\cmd.exe

C:\DevOpsWeek2\cherry pick>git add 2.txt

C:\DevOpsWeek2\cherry pick>git commit -m "added 2"
[x fb6ad6a] added 2
 1 file changed, 1 insertion(+)
 create mode 100644 2.txt

C:\DevOpsWeek2\cherry pick>code 3.txt

C:\DevOpsWeek2\cherry pick>git add 3.txt

C:\DevOpsWeek2\cherry pick>git commit -m "3 is added"
[x b206919] 3 is added
 1 file changed, 1 insertion(+)
 create mode 100644 3.txt

C:\DevOpsWeek2\cherry pick>git checkout -b y
Switched to a new branch 'y'

C:\DevOpsWeek2\cherry pick>code a.txt

C:\DevOpsWeek2\cherry pick>git add a.txt

C:\DevOpsWeek2\cherry pick>git commit -m "a is added"
[y 8df09d1] a is added
 1 file changed, 1 insertion(+)
 create mode 100644 a.txt

C:\DevOpsWeek2\cherry pick>code b.txt
```


Cherry-pick (3)

```
C:\DevOpsWeek2\cherry pick>git add b.txt

C:\DevOpsWeek2\cherry pick>git commit -m "b is also added"
[y 7886d2d] b is also added
1 file changed, 1 insertion(+)
create mode 100644 b.txt

C:\DevOpsWeek2\cherry pick>git log --oneline
7886d2d (HEAD -> y) b is also added
8df09d1 a is added
b206919 (x) 3 is added
fb6ad6a added 2
b0fe7e1 (master) added 1

C:\DevOpsWeek2\cherry pick>git checkout x
Switched to branch 'x'

C:\DevOpsWeek2\cherry pick>git log --oneline
b206919 (HEAD -> x) 3 is added
fb6ad6a added 2
b0fe7e1 (master) added 1

C:\DevOpsWeek2\cherry pick>gitt checkout master
'gitt' is not recognized as an internal or external command,
operable program or batch file.

C:\DevOpsWeek2\cherry pick>git checkout master
Switched to branch 'master'
```

Cherry-pick (4)

```
Directory of C:\DevOpsWeek2\cherry pick
01-03-2021  15:06    <DIR>        .
01-03-2021  15:06    <DIR>        ..
01-03-2021  14:51                27 1.txt
               1 File(s)                27 bytes
               2 Dir(s)  162,126,336,000 bytes free

C:\DevOpsWeek2\cherry pick>git cherry-pick b206919
[master 3c85599] 3 is added
Date: Mon Mar 1 15:01:44 2021 +0530
1 file changed, 1 insertion(+)
create mode 100644 3.txt

C:\DevOpsWeek2\cherry pick>dir
Volume in drive C is OS
Volume Serial Number is 3CAC-EFB8

Directory of C:\DevOpsWeek2\cherry pick

01-03-2021  15:06    <DIR>        .
01-03-2021  15:06    <DIR>        ..
01-03-2021  14:51                27 1.txt
01-03-2021  15:06                22 3.txt
               2 File(s)                49 bytes
               2 Dir(s)  162,126,270,464 bytes free

C:\DevOpsWeek2\cherry pick>
```

Cherry-pick (5)

```
2 Dir(s) 162,126,270,464 bytes free

C:\DevOpsWeek2\cherry pick>git cherry-pick 7886d2d
[master 16225f5] b is also added
Date: Mon Mar 1 15:04:01 2021 +0530
1 file changed, 1 insertion(+)
create mode 100644 b.txt

C:\DevOpsWeek2\cherry pick>dir
Volume in drive C is OS
Volume Serial Number is 3CAC-EFB8

Directory of C:\DevOpsWeek2\cherry pick

01-03-2021  15:07    <DIR>          .
01-03-2021  15:07    <DIR>          ..
01-03-2021  14:51             27 1.txt
01-03-2021  15:06             22 3.txt
01-03-2021  15:07             27 b.txt
               3 File(s)              76 bytes
               2 Dir(s) 162,125,402,112 bytes free

C:\DevOpsWeek2\cherry pick>
```

Fetch command

```
ca. C:\Windows\System32\cmd.exe
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C:\DevOpsWeek2\practicing>git remote add origin https://github.com/Sijumary/Practice.git

C:\DevOpsWeek2\practicing>git push -u origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 352 bytes | 352.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:   https://github.com/Sijumary/Practice/pull/new/master
remote:
To https://github.com/Sijumary/Practice.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.

C:\DevOpsWeek2\practicing>git fetch
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (8/8), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 6 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (6/6), 1.27 KiB | 46.00 KiB/s, done.
From https://github.com/Sijumary/Practice
 * [new branch]      main       -> origin/main
 6a3412d..737e6af    master    -> origin/master

C:\DevOpsWeek2\practicing>
```

Merge and pull command

```
C:\DevOpsWeek2\practicing>git checkout master
Switched to branch 'master'
Your branch is behind 'origin/master' by 2 commits, and can be fast-forwarded.
  (use "git pull" to update your local branch)

C:\DevOpsWeek2\practicing>git merge
Updating 6a3412d..fdc76bb
Fast-forward
 experiment.txt | 5 ++++
 1 file changed, 4 insertions(+), 1 deletion(-)

C:\DevOpsWeek2\practicing>git pull
Already up to date.

C:\DevOpsWeek2\practicing>git branch
firstTry
* master
secondTry
ticket
```

Pushing a branch to the repository

```
C:\Windows\System32\cmd.exe
error: src refspec feature4 does not match any
error: failed to push some refs to 'https://github.com/Sijumary/Practice.git'

C:\DevOpsWeek2\practicing>git push origin firstTry
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 645 bytes | 161.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'firstTry' on GitHub by visiting:
remote:   https://github.com/Sijumary/Practice/pull/new/firstTry
remote:
To https://github.com/Sijumary/Practice.git
 * [new branch]      firstTry -> firstTry

C:\DevOpsWeek2\practicing>git branch
* firstTry
  master
  secondTry
  ticket

C:\DevOpsWeek2\practicing>git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

C:\DevOpsWeek2\practicing>dir
Volume in drive C is OS
Volume Serial Number is 3CAC-EFB8
```

Stash commands

```
Select C:\windows\System32\cmd.exe

secondTry
ticket

C:\DevOpsWeek2\practicing>git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

C:\DevOpsWeek2\practicing>dir
Volume in drive C is OS
Volume Serial Number is 3CAC-EFB8

Directory of C:\DevOpsWeek2\practicing

01-03-2021  17:29    <DIR>          .
01-03-2021  17:29    <DIR>          ..
01-03-2021  17:29                308 experiment.txt
                1 File(s)                308 bytes
                2 Dir(s) 162,101,444,608 bytes free

C:\DevOpsWeek2\practicing>git stash save "err"
Saved working directory and index state On master: err

C:\DevOpsWeek2\practicing>git stash list
stash@{0}: On master: err

C:\DevOpsWeek2\practicing>
```