

Step 1:

```
MINGW64/c/Users/ismel/comp630/git-practice
hint: "git config advice.addEmptyPathsSpec false"
ismel@ChrisRox MINGW64 ~/comp630/git-practice (alter-readme)
$ git add .
ismel@ChrisRox MINGW64 ~/comp630/git-practice (alter-readme)
$ git commit -m "Added editor.md"
[alter-readme c7e0aa8] Added editor.md
1 file changed, 1 insertion(+)
create mode 100644 editor.md
ismel@ChrisRox MINGW64 ~/comp630/git-practice (alter-readme)
$ git log
commit c7e0aa80a7c3eea2686d8cb79f670a95a89cd94e (HEAD -> alter-readme)
Author: ChrisPuzzo <>
Date:   Wed Sep 15 14:36:42 2021 -0400

    Added editor.md

commit a28c1fb339db41cbbaa59df280e18bf124715564 (origin/master, origin/HEAD, master)
Author: Dan Couture <mathyourlife@gmail.com>
Date:   Sat Jan 16 09:36:52 2021 -0500

    adding grading script

commit 60c5d6ea7a0c8a97fcc99acc61d738f20288bf3
Author: Dan Couture <mathyourlife@gmail.com>
Date:   Wed Mar 1 07:38:51 2017 -0500

    Fixing markdown numbering

commit adc4f632a3b8bd70532a1b6c4dfe6f440e7ba3de
Author: Dan Couture <mathyourlife@gmail.com>
Date:   Wed Mar 1 06:56:34 2017 -0500

    finishing push notes in README.md

commit ec381247ba607fa6443ce85dfcb9fb7e5649bfb6
Author: Dan Couture <mathyourlife@gmail.com>
Date:   Wed Mar 1 06:52:39 2017 -0500

    Adding exercise generation script

commit bac04980e60ccce308eb652d193f15257cc5b56f (origin/K)
Author: Dan Couture <mathyourlife@gmail.com>
Date:   Wed Mar 1 06:14:19 2017 -0500

    Adding exercises to README.md

commit 06d31dae6ebf4f0a53ee778389824dd649fd2
Author: Dan Couture <MathYourLife@users.noreply.github.com>
Date:   Wed Mar 1 06:11:49 2017 -0500

    Initial commit
ismel@ChrisRox MINGW64 ~/comp630/git-practice (alter-readme)
$
```

Step 2:

```
MINGW64/c/Users/ismel/comp630/git-practice
Author: Dan Couture <mathyourlife@gmail.com>
Date:   Wed Mar 1 06:19:21 2017 -0500

    veteran work 1

commit bac04980e60ccce308eb652d193f15257cc5b56f (origin/K)
Author: Dan Couture <mathyourlife@gmail.com>
Date:   Wed Mar 1 06:14:19 2017 -0500

    Adding exercises to README.md

commit 06d31dae6ebf4f0a53ee778389824dd649fd2
Author: Dan Couture <MathYourLife@users.noreply.github.com>
Date:   Wed Mar 1 06:11:49 2017 -0500

    Initial commit
ismel@ChrisRox MINGW64 ~/comp630/git-practice (A)
$ git reset A~3
ismel@ChrisRox MINGW64 ~/comp630/git-practice (A)
$ log
bash: log: command not found
ismel@ChrisRox MINGW64 ~/comp630/git-practice (A)
$ git log
commit 95cbf4a12d20507ae4131be6aa58f7f54fd4de03 (HEAD -> A)
Author: Dan Couture <mathyourlife@gmail.com>
Date:   Wed Mar 1 06:19:37 2017 -0500

    veteran work 3

commit d41cdf3dfd2ae22890eff0e7750f8fc4b9db875f
Author: Dan Couture <mathyourlife@gmail.com>
Date:   Wed Mar 1 06:19:30 2017 -0500

    veteran work 2

commit 6bbcedafb3dd7c74827a76d0a1c755550ef58109
Author: Dan Couture <mathyourlife@gmail.com>
Date:   Wed Mar 1 06:19:21 2017 -0500

    veteran work 1

commit bac04980e60ccce308eb652d193f15257cc5b56f (origin/K)
Author: Dan Couture <mathyourlife@gmail.com>
Date:   Wed Mar 1 06:14:19 2017 -0500

    Adding exercises to README.md

commit 06d31dae6ebf4f0a53ee778389824dd649fd2
Author: Dan Couture <MathYourLife@users.noreply.github.com>
Date:   Wed Mar 1 06:11:49 2017 -0500

    Initial commit
ismel@ChrisRox MINGW64 ~/comp630/git-practice (A)
$
```

Step 3:

```
MINGW64/c/Users/ismel/comp630/git-practice

Initial commit

ismel@ChrisRox MINGW64 ~/comp630/git-practice (C)
$ git merge B c
Merge made by the 'recursive' strategy.
 branch-B-work/hello-world.txt | 1 +
 branch-B-work/new-feature.txt | 1 +
 2 files changed, 2 insertions(+)
 create mode 100644 branch-B-work/hello-world.txt
 create mode 100644 branch-B-work/new-feature.txt

ismel@ChrisRox MINGW64 ~/comp630/git-practice (C)
$ log
bash: log: command not found

ismel@ChrisRox MINGW64 ~/comp630/git-practice (C)
$ git log
commit $f532b2df031b1ff9d12fa929ce5dc5da6a2b87d (HEAD -> C)
Merge: c8112f4 5e708c6
Author: ChrisPuzzo <>
Date:   Wed Sep 15 15:02:25 2021 -0400

    Merge branch 'B' into C
    especially if it merges an updated upstream into a topic branch.

commit c8112f429b5d4bb067c6d516c1eb818b52d73d3a (origin/C)
Author: Dan Couture <mathyourlife@gmail.com>
Date:   Wed Mar 1 06:24:38 2017 -0500

    congrats

commit 5e708c6886b6630d05fd0c71f0b69aac6d94ecf (origin/B, B)
Author: Dan Couture <mathyourlife@gmail.com>
Date:   Wed Mar 1 06:23:10 2017 -0500

    branch B new feature

commit 2fbf09572e2abe968bed938226097207475f022
Author: Dan Couture <mathyourlife@gmail.com>
Date:   Wed Mar 1 06:22:55 2017 -0500

    hello world feature

commit bac04980e60cce308eb652d193f15257cc5b56f (origin/K)
Author: Dan Couture <mathyourlife@gmail.com>
Date:   Wed Mar 1 06:14:19 2017 -0500

    Adding exercises to README.md

commit 06d31dae6ebf4f0a53ee778389824dd649fd2
Author: Dan Couture <mathyourlife@users.noreply.github.com>
Date:   Wed Mar 1 06:11:49 2017 -0500

    Initial commit

ismel@ChrisRox MINGW64 ~/comp630/git-practice (C)
$
```

Step 4:

```
MINGW64/c/Users/ismel/comp630/git-practice

Adding exercises to README.md

commit 06d31dae6ebf4f0a53ee778389824dd649fd2
Author: Dan Couture <mathyourlife@users.noreply.github.com>
Date:   Wed Mar 1 06:11:49 2017 -0500

    Initial commit

ismel@ChrisRox MINGW64 ~/comp630/git-practice (E)
$ git merge d
Merge made by the 'recursive' strategy.
 branch-D-work/hello-world.txt | 1 +
 branch-D-work/new-feature.txt | 1 +
 2 files changed, 2 insertions(+)
 create mode 100644 branch-D-work/hello-world.txt
 create mode 100644 branch-D-work/new-feature.txt

ismel@ChrisRox MINGW64 ~/comp630/git-practice (E)
$ git log
commit 77fcc854fb9003f12d5272584d9adf0af028f422 (HEAD -> E)
Merge: 7788471 a97caba
Author: ChrisPuzzo <>
Date:   Wed Sep 15 15:40:32 2021 -0400

    Merge branch 'd' into E

commit 778847166296ac60336d5172535de7830c6f689 (origin/E)
Author: Dan Couture <mathyourlife@gmail.com>
Date:   Wed Mar 1 06:27:55 2017 -0500

    congrats

commit a97caba4c8277e42c082d8d738f66fb47915f70 (origin/D, D)
Author: Dan Couture <mathyourlife@gmail.com>
Date:   Wed Mar 1 06:27:54 2017 -0500

    branch D new feature

commit 7f9f3e5a2398ca82612499ff198fc4a0055025f0
Author: Dan Couture <mathyourlife@gmail.com>
Date:   Wed Mar 1 06:27:54 2017 -0500

    hello world feature

commit bac04980e60cce308eb652d193f15257cc5b56f (origin/K)
Author: Dan Couture <mathyourlife@gmail.com>
Date:   Wed Mar 1 06:14:19 2017 -0500

    Adding exercises to README.md

commit 06d31dae6ebf4f0a53ee778389824dd649fd2
Author: Dan Couture <mathyourlife@users.noreply.github.com>
Date:   Wed Mar 1 06:11:49 2017 -0500

    Initial commit

ismel@ChrisRox MINGW64 ~/comp630/git-practice (E)
$
```

Step 5:

```
MINGW64/c/Users/ismel/comp630/git-practice
Untracked files:
  (use "git add <file>..." to include in what will be committed)
  branch-A-work/

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

ismel@ChrisRox MINGW64 ~/comp630/git-practice (G|CHERRY-PICKING)
$ git commit --allow-empty
[681eb1f6] This feature is good to go
Author: Dan Couture <mathyourlife@gmail.com>
Date: Wed Mar 1 06:35:27 2017 -0500

ismel@ChrisRox MINGW64 ~/comp630/git-practice (G)
$ git cherry-pick --continue
error: no cherry-pick or revert in progress
fatal: cherry-pick failed

ismel@ChrisRox MINGW64 ~/comp630/git-practice (G)
$ git log
commit 81eb1f69dc7ab609023f6618096cc2b6a24a356a (HEAD -> G)
Author: Dan Couture <mathyourlife@gmail.com>
Date: Wed Mar 1 06:35:27 2017 -0500

    This feature is good to go

commit 752c3bf08dc1ade8d2b3e3e9cc1275b21fe7
Author: Dan Couture <mathyourlife@gmail.com>
Date: Wed Mar 1 06:35:44 2017 -0500

    so is this one

commit fe20c24baee3d91087c5439545ad2d5b382492e3
Author: Dan Couture <mathyourlife@gmail.com>
Date: Wed Mar 1 06:36:30 2017 -0500

    everything's fine here

commit d4963e66dec4534e7fb62980dcd9e2d9279ace25 (origin/G)
Author: Dan Couture <mathyourlife@gmail.com>
Date: Wed Mar 1 06:35:27 2017 -0500

    This feature is good to go

commit bac04980e60ccce308eb652d193f15257cc5b56f (origin/K)
Author: Dan Couture <mathyourlife@gmail.com>
Date: Wed Mar 1 06:14:19 2017 -0500

    Adding exercises to README.md

commit 06d31dae6ebf4f0a53ee778389824dd649fd2
Author: Dan Couture <MathYourLife@users.noreply.github.com>
Date: Wed Mar 1 06:11:49 2017 -0500

    Initial commit

ismel@ChrisRox MINGW64 ~/comp630/git-practice (G)
$
```

Step 6:

```
MINGW64/c/Users/ismel/comp630/git-practice
Author: Dan Couture <mathyourlife@gmail.com>
Date: Wed Mar 1 06:41:22 2017 -0500

    Time for a coffee break

commit ca46cfdb9a94f14d2c68427b366b5d6da419f632
Author: Dan Couture <mathyourlife@gmail.com>
Date: Wed Mar 1 06:40:54 2017 -0500

ismel@ChrisRox MINGW64 ~/comp630/git-practice (H)
$ git rebase -i HEAD~10
[detached HEAD 7a09970] Start of the day
Author: Dan Couture <mathyourlife@gmail.com>
Date: Wed Mar 1 06:40:54 2017 -0500

    1 file changed: 10 insertions(+)
    create mode 100644 branch-H-work/my-awesome-new-feature-that-i-have-been-working-on-forever.txt
    Successfully rebased and updated refs/heads/H.

ismel@ChrisRox MINGW64 ~/comp630/git-practice (H)
$ git log
commit 7a0997038a26718686e310d565f774647959b3d4 (HEAD -> H)
Author: Dan Couture <mathyourlife@gmail.com>
Date: Wed Mar 1 06:40:54 2017 -0500

    Start of the day

    Time for a coffee break

    time for second breakfast

    is it lunch time yet?

    yay, lunch time

    back from lunch

    head down time

    guess I can play one round of ping pong

    gah. I need to get home

    Zam... finally finished

commit bac04980e60ccce308eb652d193f15257cc5b56f (origin/K)
Author: Dan Couture <mathyourlife@gmail.com>
Date: Wed Mar 1 06:14:19 2017 -0500

    Adding exercises to README.md

commit 06d31dae6ebf4f0a53ee778389824dd649fd2
Author: Dan Couture <MathYourLife@users.noreply.github.com>
Date: Wed Mar 1 06:11:49 2017 -0500

    Initial commit

ismel@ChrisRox MINGW64 ~/comp630/git-practice (H)
$
```

Step 7:

```
MINGW64/c:/Users/ismel/comp630/git-practice
new feature 'J'

commit 9a33e7833d3fe75e950f88bde84347fa84a0ddc4 (origin/I)
Author: Dan Couture <mathyourlife@gmail.com>
Date: Wed Mar 1 06:49:21 2017 -0500

    new feature 'I'

commit bac04980e60ccce308eb652d193f15257cc5b56f (origin/K)
Author: Dan Couture <mathyourlife@gmail.com>
Date: Wed Mar 1 06:14:19 2017 -0500

    Adding exercises to README.md

commit 06d31dae6ebf4f0a53ee778389824dd649fd2
Author: Dan Couture <mathyourlife@users.noreply.github.com>
Date: Wed Mar 1 06:11:49 2017 -0500

    Initial commit

ismel@ChrisRox MINGW64 ~/comp630/git-practice (K)
$ git tag 0.3.4 K

ismel@ChrisRox MINGW64 ~/comp630/git-practice (K)
$ git log
commit a79448e7d120b280577cc1aafc8215769a636a09 (HEAD -> K, tag: 0.3.4, I)
Merge: 9a33e78 edf4ee5
Author: ChrisPuzzo <>
Date: Wed Sep 15 18:31:26 2021 -0400

    Merge branch 'J' into I

commit edf4ee52eba938ff78c476246873a5eea207f8f (origin/J, J)
Author: Dan Couture <mathyourlife@gmail.com>
Date: Wed Mar 1 06:50:23 2017 -0500

    new feature 'J'

commit 9a33e7833d3fe75e950f88bde84347fa84a0ddc4 (origin/I)
Author: Dan Couture <mathyourlife@gmail.com>
Date: Wed Mar 1 06:49:21 2017 -0500

    new feature 'I'

commit bac04980e60ccce308eb652d193f15257cc5b56f (origin/K)
Author: Dan Couture <mathyourlife@gmail.com>
Date: Wed Mar 1 06:14:19 2017 -0500

    Adding exercises to README.md

commit 06d31dae6ebf4f0a53ee778389824dd649fd2
Author: Dan Couture <mathyourlife@users.noreply.github.com>
Date: Wed Mar 1 06:11:49 2017 -0500

    Initial commit

ismel@ChrisRox MINGW64 ~/comp630/git-practice (K)
$
```