## piping

# There are more things in git and piping, Horatio,

# than are dreamt of in your philosophy.

# - echo "WS" \

# | sed 's/WS/R/' \

# | awk '{print $0"M"}'

#

# text tools that support piping

sed streaming editor

awk text processing tool

# files with different statuses

$ git status -s | grep "^UU"

$ git status -s | grep "^ M"

# o is shortcut for my text editor, scite

# open conflicted files

$ git status -s | grep "^UU" | cut -c3- | xargs o

# open files with BitSet in name

$ git ls-files \*BitSet\* | xargs o

# alias hidden: show hidden files

$ git ls-files -v | grep '^h' | cut -c3-

$ git hidden

# hide and unhide are aliases

$ git hide

$ git unhide

# hide modified files and then unhide them

$ git status -s | grep "^ M" | xargs git hide

$ git hidden | xargs git unhide

# open files with space in them

$ git ls-files "<sproc>"

| sed 's/^/"/' | sed 's/$/"/'

| xargs o

$ git ls-files \*<sproc>\*

| awk '{print "\""$0"\""}'

| xargs o

$ git ls-files -z \*<sproc>\*

| xargs -0 o

# 'wrap' wraps any paths in quotes to handle spaces

$ git ls-files "<sproc>" | wrap | xargs o

# 'wrap' is piping-friendly

$ o ~/bin/wrap

# open files with "next"

$ git grep "next" | cut -d':' -f1 | wrap | xargs o

# delete merged branches except few

$ git branch --merged

| egrep -v "(\\*|master|pu|maint|next)"

| egrep "cr/"

| xargs git branch -d

# delete oldest 3 cr/\* branches except current

$ git branch --sort=committerdate

| egrep -v "\\*"

| egrep "cr/"

| head -3

| xargs git b -d

# top 2 items

$ ... | head -2

# last 2 items

$ ... | tail -2

# 2nd line item

$ ... | sed -n '2 p'

## advanced aliases

$ git coe <partial branch>

# multiple branches

$ git coe e

fatal: multiple branches matched

master

dev

# fuzzy checkout to branch

$ git coe z

Switched to branch 'temp/lazy'

# custom commands

$ git l

l = git log --pretty=two

# pretty formats

two

one

# aliases running as shell scripts run from /

l = !"git lg2"

# this will still run from /

$ cd to/some/dir && git l .

## reflog

# <commit> (refs) HEAD@{<i>} summary of operation

# where <commit> is after the operation

# ref log

$ git reflog -3

# 87dce5f (HEAD -> dev, master) HEAD@{0}: reset: moving to master

# 0733641 HEAD@{1}: rebase -i (finish): returning to refs/heads/dev

# 0733641 HEAD@{2}: rebase -i (pick): Adding BitSet implementation.

$ git reset --hard HEAD@{1}

## bisect

$ git bisect start

# head is bad

$ git bisect bad

# some commit in past is good

$ git bisect good <commit>

(bisecting)

$ git bisect good|bad

(bisecting)

(08b9bd4 is the first bad commit)

# exit bisect state

$ git bisect reset

## shortlog

#

# The ~~owls~~ stats are not what they seem.

#

# shortlog with summary, sort, email

$ git shortlog -sne

# .mailmap

- consolidate name/emails

# What to do?

- place at root OR

outside of repo with mailmap.file path in config

- log.mailmap true