ALIASES that can help you MERGE your changes

glog   'git log --graph --pretty=format:"%Cred%h%Creset -%C(yellow)%d%Creset %s %Cgreen(%cr) %C(bold blue)<%an>%Creset" --abbrev-commit --date=relative --all'

glog2   'git log --graph --name-status --pretty=format:"%Cred%h%Creset -%C(yellow)%d%Creset %s %Cgreen(%cr) %C(bold blue)<%an>%Creset" --abbrev-commit --date=relative --all'

g   'echo "STATUS\n========" ; git status ; echo ""; git status --porcelain '

gg   'git remote update ; echo "STATUS\n========" ; git status ; echo "\nLOG\n========" ; git --no-pager log -25 --pretty=format:"%h | %d | %an | %cn | %cd | %cr | %s" --all; echo "\n\n(LOCAL) BRANCHES\n========" ; git branch -v ; echo "\n\n(REMOTE) BRANCHES\n========" ; git branch -r ;echo "\nBRANCHES NOT MERGED\n==================" ; git branch --no-merged ; echo "\nBRANCHES ALREADY MERGED\n====================" ; git branch --merged;echo "\nFiles FETCHed, but not MERGEd\n=========================\n";git diff master origin/master --name-status;echo "\nGIT stash list\n================\n";git stash list'

MERGE configuration for GIT – KDIFF3 will allow you to graphically merge your conflicts.

start any kde app and from the menu choose Help -> About KDE

If using KDE3, then => http://sourceforge.net/projects/kdiff3/files/kdiff3/0.9.92/kdiff3-0.9.92.tar.gz/download

If using KDE4, then => http://sourceforge.net/projects/kdiff3/files/kdiff3/0.9.98/kdiff3-0.9.98.tar.gz/download

tar zxvf file-version.tar.gz;   cd file-version;   ./configure - -prefix $HOME/KDE_APPS;   make;   make install
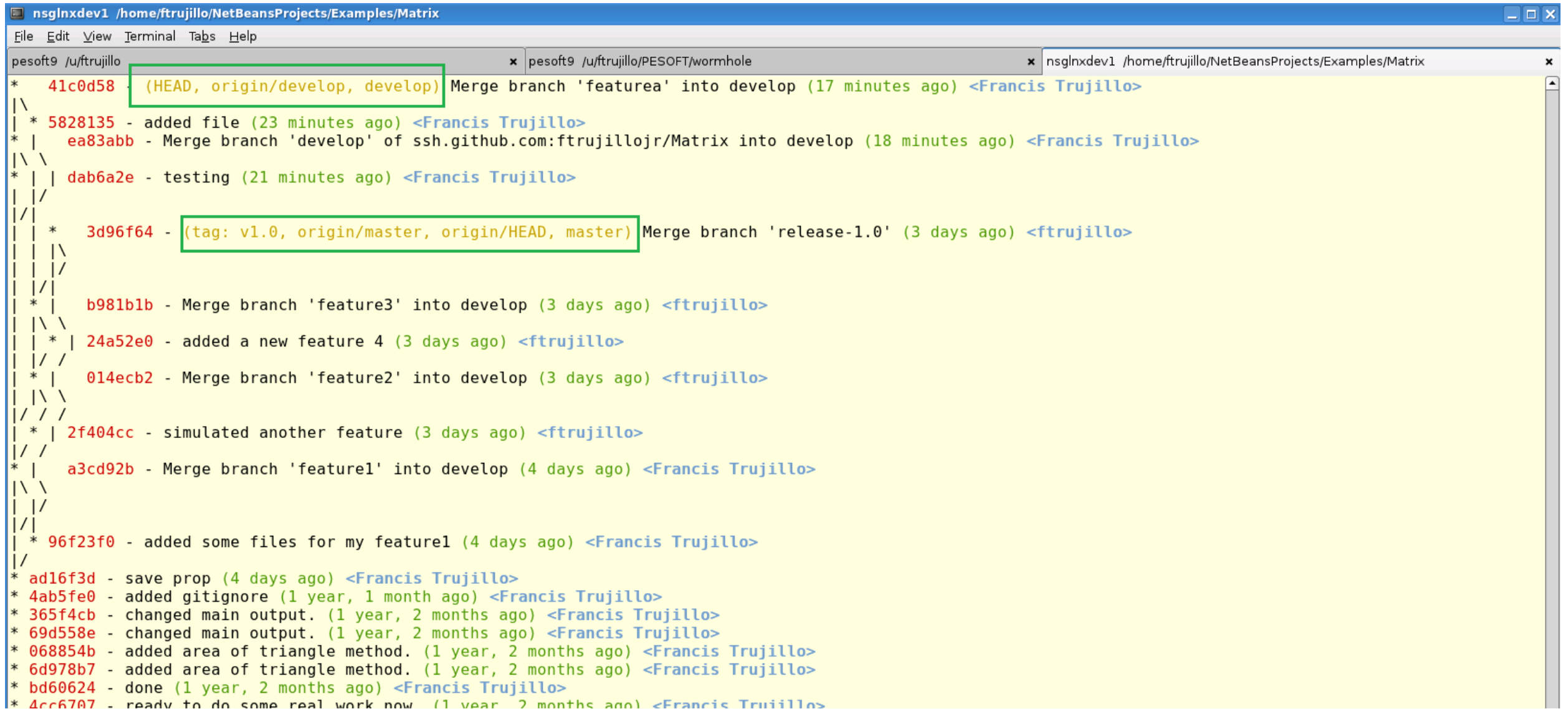
One time config.

```
$ git config --global merge.tool kdiff3
$ git config --global diff.tool kdiff3
$ git config --global difftool.kdiff3.cmd 'kdiff3 $LOCAL $REMOTE'
$ git config --global difftool.prompt false
```

$ **git difftool develop origin/develop**

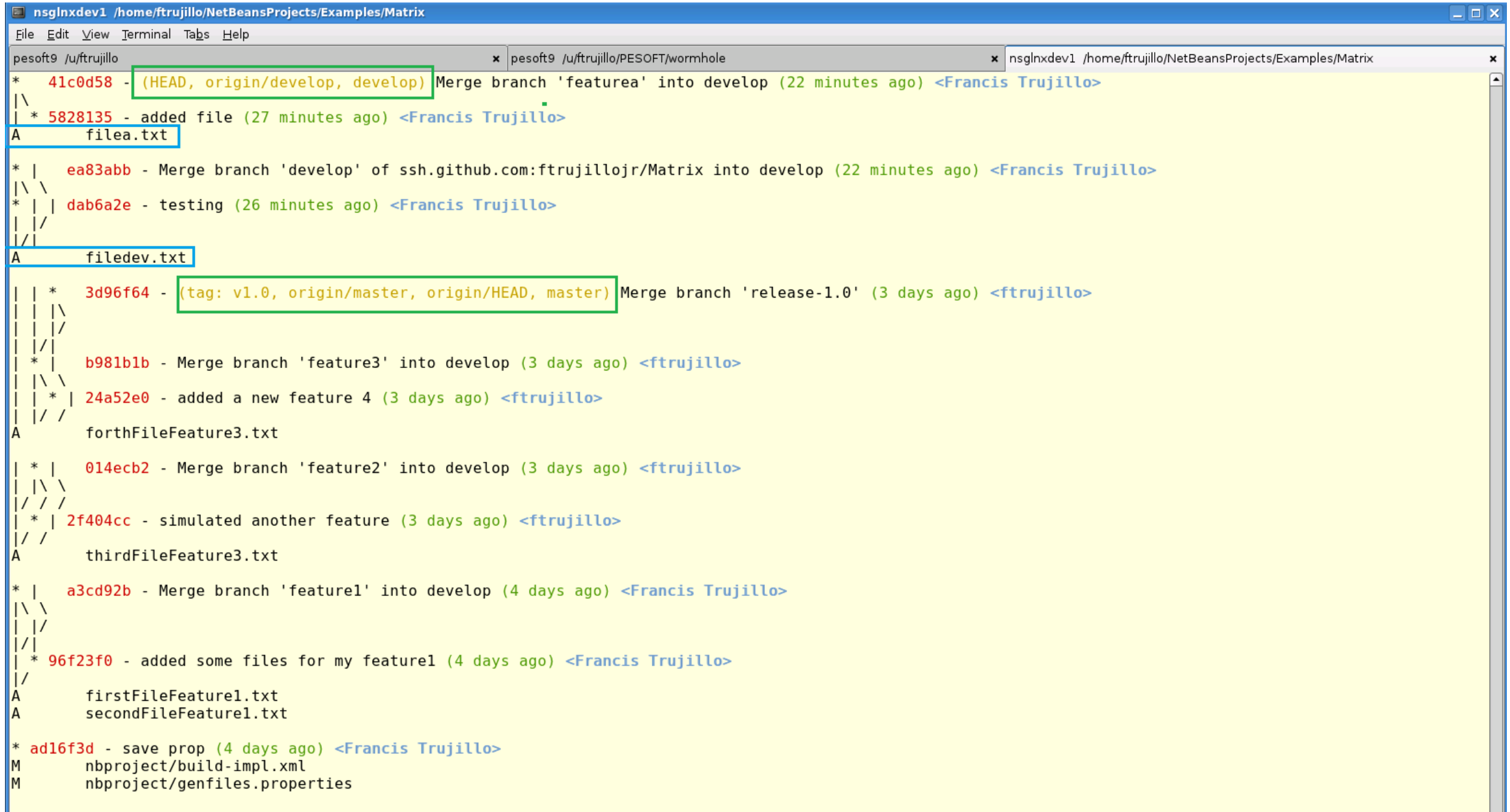$ **git mergtool –no-prompt develop origin/develop**

glog Example

- Shows ALL branches REMOTE and LOCAL.   (REMOTE origin/*****   LOCAL ******)
- Show ALL tags on master.


```
* nsglnxdev1 /home/ftrujillo/NetBeansProjects/Examples/Matrix

File  Edit  View  Terminal  Tabs  Help

pesoft9 /u/ftrujillo          × | pesoft9 /u/ftrujillo/PESOFT/wormhole     × | nsglnxdev1 /home/ftrujillo/NetBeansProjects/Examples/Matrix  ×

*    41c0d58 - (HEAD, origin/develop, develop) Merge branch 'featurea' into develop (17 minutes ago) <Francis Trujillo>
|\
| * 5828135 - added file (23 minutes ago) <Francis Trujillo>
* |   ea83abb - Merge branch 'develop' of ssh.github.com:ftrujillojr/Matrix into develop (18 minutes ago) <Francis Trujillo>
|\ \
* | | dab6a2e - testing (21 minutes ago) <Francis Trujillo>
| |/
|/|
| | *   3d96f64 - (tag: v1.0, origin/master, origin/HEAD, master) Merge branch 'release-1.0' (3 days ago) <ftrujillo>
| | |\
| | |/
| |/|
| * | b981b1b - Merge branch 'feature3' into develop (3 days ago) <ftrujillo>
| |\ \
| | * | 24a52e0 - added a new feature 4 (3 days ago) <ftrujillo>
| |/ /
| * | 014ecb2 - Merge branch 'feature2' into develop (3 days ago) <ftrujillo>
| |\ \
|/ / /
| * | 2f404cc - simulated another feature (3 days ago) <ftrujillo>
|/ /
* |   a3cd92b - Merge branch 'feature1' into develop (4 days ago) <Francis Trujillo>
|\ \
| |/
|/|
| * 96f23f0 - added some files for my feature1 (4 days ago) <Francis Trujillo>
|/
* ad16f3d - save prop (4 days ago) <Francis Trujillo>
* 4ab5fe0 - added gitignore (1 year, 1 month ago) <Francis Trujillo>
* 365f4cb - changed main output. (1 year, 2 months ago) <Francis Trujillo>
* 69d558e - changed main output. (1 year, 2 months ago) <Francis Trujillo>
* 068854b - added area of triangle method. (1 year, 2 months ago) <Francis Trujillo>
* 6d978b7 - added area of triangle method. (1 year, 2 months ago) <Francis Trujillo>
* bd60624 - done (1 year, 2 months ago) <Francis Trujillo>
* 4cc6707 - ready to do some real work now (1 year, 2 months ago) <Francis Trujillo>
```

glog2 Example

- Same as glog, but also shows files.


```
nsglnxdev1 /home/ftrujillo/NetBeansProjects/Examples/Matrix

File  Edit  View  Terminal  Tabs  Help

pesoft9 /u/ftrujillo          x  pesoft9 /u/ftrujillo/PESOFT/wormhole          x  nsglnxdev1 /home/ftrujillo/NetBeansProjects/Examples/Matrix          x

*    41c0d58 - (HEAD, origin/develop, develop) Merge branch 'featurea' into develop (22 minutes ago) <Francis Trujillo>
|\
| * 5828135 - added file (27 minutes ago) <Francis Trujillo>
A        filea.txt

* |   ea83abb - Merge branch 'develop' of ssh.github.com:ftrujillojr/Matrix into develop (22 minutes ago) <Francis Trujillo>
|\ \
* | | dab6a2e - testing (26 minutes ago) <Francis Trujillo>
| |/
|/|
A        filedev.txt

| | *   3d96f64 - (tag: v1.0, origin/master, origin/HEAD, master) Merge branch 'release-1.0' (3 days ago) <ftrujillo>
| | |\
| | |/
| |/|
| * |   b981b1b - Merge branch 'feature3' into develop (3 days ago) <ftrujillo>
| |\ \
| | * | 24a52e0 - added a new feature 4 (3 days ago) <ftrujillo>
| |/ /
A        forthFileFeature3.txt

| * |   014ecb2 - Merge branch 'feature2' into develop (3 days ago) <ftrujillo>
| |\ \
|/ / /
| * | 2f404cc - simulated another feature (3 days ago) <ftrujillo>
|/ /
A        thirdFileFeature3.txt

* |   a3cd92b - Merge branch 'feature1' into develop (4 days ago) <Francis Trujillo>
|\ \
| |/
|/|
| * 96f23f0 - added some files for my feature1 (4 days ago) <Francis Trujillo>
|/
A        firstFileFeature1.txt
A        secondFileFeature1.txt

* ad16f3d - save prop (4 days ago) <Francis Trujillo>
M        nbproject/build-impl.xml
M        nbproject/genfiles.properties
```

gg Example

- Short 25 lines of last checkins.
- What branch you are on.
- What remotes are available
- What merges are not checked in.

```
                        nsglnxdev1  /home/ftrujillo/NetBeansProjects/Examples/Matrix                    _ □ ×

File  Edit  View  Search  Terminal  Help

nsglnxdev1:/home/ftrujillo/NetBeansProjects/Examples/Matrix [120]$ gg
Fetching origin
STATUS
=======
# On branch develop
nothing to commit (working directory clean)

LOG
=======
41c0d58 |  (HEAD, origin/develop, develop)  | Francis Trujillo | Francis Trujillo | Tue Feb 2 15:09:39 2016 -0700 | 61 minutes ago | Merge branch 'featurea' into develop
ea83abb |  | Francis Trujillo | Francis Trujillo | Tue Feb 2 15:08:58 2016 -0700 | 61 minutes ago | Merge branch 'develop' of ssh.github.com:ftrujillojr/Matrix into develop
dab6a2e |  | Francis Trujillo | Francis Trujillo | Tue Feb 2 15:05:17 2016 -0700 | 65 minutes ago | testing
5828135 |  | Francis Trujillo | Francis Trujillo | Tue Feb 2 15:04:09 2016 -0700 | 66 minutes ago | added file
3d96f64 |  (tag: v1.0, origin/master, origin/HEAD, master)  | ftrujillo | ftrujillo | Sat Jan 30 11:48:52 2016 -0700 | 3 days ago | Merge branch 'release-1.0'
b981b1b |  | ftrujillo | ftrujillo | Sat Jan 30 11:45:41 2016 -0700 | 3 days ago | Merge branch 'feature3' into develop
24a52e0 |  | ftrujillo | ftrujillo | Sat Jan 30 11:44:00 2016 -0700 | 3 days ago | added a new feature 4
014ecb2 |  | ftrujillo | ftrujillo | Sat Jan 30 11:36:32 2016 -0700 | 3 days ago | Merge branch 'feature2' into develop
2f404cc |  | ftrujillo | ftrujillo | Sat Jan 30 11:33:03 2016 -0700 | 3 days ago | simulated another feature
a3cd92b |  | Francis Trujillo | Francis Trujillo | Fri Jan 29 15:21:54 2016 -0700 | 4 days ago | Merge branch 'feature1' into develop
96f23f0 |  | Francis Trujillo | Francis Trujillo | Fri Jan 29 14:48:03 2016 -0700 | 4 days ago | added some files for my feature1
ad16f3d |  | Francis Trujillo | Francis Trujillo | Fri Jan 29 13:06:36 2016 -0700 | 4 days ago | save prop
4ab5fe0 |  | Francis Trujillo | Francis Trujillo | Sun Jan 11 14:14:04 2015 -0700 | 1 year, 1 month ago | added gitignore
365f4cb |  | Francis Trujillo | Francis Trujillo | Sat Nov 29 10:12:03 2014 -0700 | 1 year, 2 months ago | changed main output.
69d558e |  | Francis Trujillo | Francis Trujillo | Sat Nov 29 10:10:57 2014 -0700 | 1 year, 2 months ago | changed main output.
068854b |  | Francis Trujillo | Francis Trujillo | Sat Nov 29 08:54:08 2014 -0700 | 1 year, 2 months ago | added area of triangle method.
6d978b7 |  | Francis Trujillo | Francis Trujillo | Thu Nov 27 11:29:53 2014 -0700 | 1 year, 2 months ago | added area of triangle method.
bd60624 |  | Francis Trujillo | Francis Trujillo | Thu Nov 27 10:27:46 2014 -0700 | 1 year, 2 months ago | done
4cc6707 |  | Francis Trujillo | Francis Trujillo | Wed Nov 26 16:23:09 2014 -0700 | 1 year, 2 months ago | ready to do some real work now.
4c00cc7 |  | Francis Trujillo | Francis Trujillo | Tue Nov 25 21:47:58 2014 -0700 | 1 year, 2 months ago | all 12 tests passed.  DONE!!!
696605e |  | Francis Trujillo | Francis Trujillo | Tue Nov 25 21:25:03 2014 -0700 | 1 year, 2 months ago | 9 tests passed.
45da26e |  | Francis Trujillo | Francis Trujillo | Tue Nov 25 20:57:22 2014 -0700 | 1 year, 2 months ago | 6 tests passed.
4d2aa45 |  | Francis Trujillo | Francis Trujillo | Tue Nov 25 20:46:33 2014 -0700 | 1 year, 2 months ago | writing tests.
03060a1 |  | Francis Trujillo | Francis Trujillo | Tue Nov 25 14:13:24 2014 -0700 | 1 year, 2 months ago | almost ready to write tests.
251602b |  | Francis Trujillo | Francis Trujillo | Tue Nov 25 13:43:11 2014 -0700 | 1 year, 2 months ago | need to see if I can eliminate zero error method.

(LOCAL) BRANCHES
========
* develop 41c0d58 Merge branch 'featurea' into develop
  master  3d96f64 Merge branch 'release-1.0'


(REMOTE) BRANCHES
========
  origin/HEAD -> origin/master
  origin/develop
  origin/master

BRANCHES NOT MERGED
===================
  master

BRANCHES ALREADY MERGED
===================
* develop

Files FETCHed, but not MERGEd
=============================
```