

Branch: master ▼

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prithvikannan updated lab9 gitk question

82b0c40 5 hours ago

1 contributor

Raw Blame History



126 lines (112 sloc) 5.41 KB

```
1 git clone ~eggert/src/gnu/emacs-CS-35L
2 cd ~eggert/src/gnu/emacs-CS-35L
3
4 1. git ls-files | xargs -d '\n' du -ch
5     There 159M worth of working files in this directory. I ran git ls-files
6     to fetch all working files in this directory, and then piped the output
7     to du to find the size and produce a total using the -c flag.
8 cd emacs-CS-35L
9 du -h
10    There are 509M total in the emacs-CS-35L folder
11 cd .git
12 du -h
13    There are 350M total in the .git folder folder
14    largest file is in the folder emacs-CS-35L/.git/objects/pack (343M)
15    and is called pack-24e56b1749b9320c560213d9045fa6cee42b4174.pack
16 cd .git
17
18 2. git branch
19 git branch | wc -l
20    There are 176 local branches.
21 git branch -r | wc -l
22    There are 177 branches that are remote.
23
24 3. git remote -v
25    There is only one remote repository for this repo located at
26    /u/cs/fac/eggert/src/gnu/emacs-CS-35L
27
28 4. git for-each-ref --sort=-committerdate refs/heads/ | head
29 19aec340b7b3ab54629b790ba70a90130bad63d commit refs/heads/master
30 d2873706749ef68803e79bab6109a534f4c9d23a commit refs/heads/scratch/joaot/make-completion-at-point-function
31 dd3fa9411a28175f9a1a984a69cfa7162023c5df commit refs/heads/feature/windows-with-utils
32 8f22251e595d7598d6643b0d24bf5f409dc59fa8 commit refs/heads/scratch/completion-api
33 8a4de19dfb52551a65c360a9346ede137d0fc6e8 commit refs/heads/scratch/a-modest-completion-redesign-proposal
34 2b0f589134d9427a96ab8cf0d8473715740984ef commit refs/heads/scratch/fido-mode
35 924a4201d24c10c48db920815ebf98dfaadc1e85 commit refs/heads/feature/gnus-select2
36 7a10082093791f0e035e4f9f95a774a7be1cd586 commit refs/heads/feature/extend_face_id
37 079461b360a2467ff4ab2ec57516c6f9e45f50fe commit refs/heads/scratch/jit-lock-antiblink-cleaned-up
38 55dcd32ad2209dc34bfb6b713bf73be9bf4c4cb2 commit refs/heads/emacs-26
39
40 5. git rev-list --count HEAD
41    There are 139583 commits on the master branch.
42
43 6. git rev-list --all | wc -l
44    There are is 143910 total commits on a branch. 139583/143910 * 100 is
45    96.99%, so ~97% of all commits are on master.
46
47 7. git shortlog -s -n --since="31 Dec 2012" HEAD | head -10
48    I found these flags in the git shortlog man page, where -s gives summary,
49    -n sorts by the counts of outputs, --since finds those after a certain
50    date, and HEAD says to look at the head branch.
51
```

```

52      3691   Eli Zaretskii
53      3647   Glenn Morris
54      3605   Paul Eggert
55      1806   Lars Ingebrigtsen
56      1784   Stefan Monnier
57      1571   Michael Albinus
58      619    Dmitry Gutov
59      576    Noam Postavsky
60      471    Alan Mackenzie
61      469    Juri Linkov
62
63  8.      First I took notes on each commit from gitk:
64
65      4ea37c2b8b0c5a68fde59770c3536195e0972217
66          *on the master branch*
67          2017-09-16 04:31:38
68          Cope better with C++ and objective C protection keywords in class
69          declarations
70      977cd6cb28a37744966ec62f70cf62659f6f302a
71          *on the master branch*
72          2017-09-16 05:53:03
73          Increment emacs version to 27.0.50
74      625cee531623feddbe3174fad52c7db96ec60bb3
75          2017-09-16 05:34:15
76          Start emacs-26 release branch
77      5490ccc5ebf39759dfd084bbd31f464701a3e775
78          2017-09-16 09:49:28
79          Add lisp variable lcms-d65-xyz
80      0c06b93c1e467debd401eb0b3be4652fde14fa95
81          2017-09-25 11:16:05
82          Merge from origin/emacs-26
83      820739bbb572b30b6ce45756c9960e48dca859af
84          2017-09-23 00:45:46
85          Fix wording
86      00e4e3e9d273a193620c3a4bb4914e555cb8e343
87          2017-09-23 11:43:58
88          Fix undecorated frame resizing issues on NS
89      49cd561dc62ea6b3fbedab7aef0f020733f4cf09
90          2017-09-25 08:52:24
91          Special code for smb
92      abcb2e62dae6aa26308f7ac9efc89247f89cbe65
93          2017-09-25 11:19:07
94          Merge from origin/emacs-26
95      98ac36efe4ce4bd3a0bca76fc73ce6c7abaa4371
96          2017-09-29 22:06:14
97          Merge from origin/emacs-26
98
99      Using the notes from above, I created this tree. Lines represent direct
100     parent-child relationships while ellipses mean there are multiple
101     commits in between.
102
103
104         4ea37c2b8b0c5a68fde59770c3536195e0972217
105         /                               \
106     977cd6cb28a37744966ec62f70cf62659f6f302a  \
107         .                               \
108         .                               625cee531623feddbe3174fad52c7db96ec60bb3
109         .                               .
110         .                               5490ccc5ebf39759dfd084bbd31f464701a3e775
111         .                               .
112         0c06b93c1e467debd401eb0b3be4652fde14fa95
113         .                               .
114         .       820739bbb572b30b6ce45756c9960e48dca859af
115         .       |
116         .       00e4e3e9d273a193620c3a4bb4914e555cb8e343
117         .

```

```
118      .          49cd561dc62ea6b3fbedab7aef0f020733f4cf09
119      .          |
120      .          abcb2e62dae6aa26308f7ac9efc89247f89cbe65
121      .          .
122      98ac36efe4ce4bd3a0bca76fc73ce6c7abaa4371
123
124      This commit graph seems to have been created by users working on two
125      branches of the emacs repository and then merged back together into
126      the main emacs branch.
```