

UNIVERSIDAD DE COSTA RICA
FACULTAD DE INGENIERIA
ESCUELA DE INGENIERÍA ELECTRICA

CURSO IE-0117
PROGRAMACIÓN BAJO PLATAFORMAS ABIERTAS

Laboratorio Git

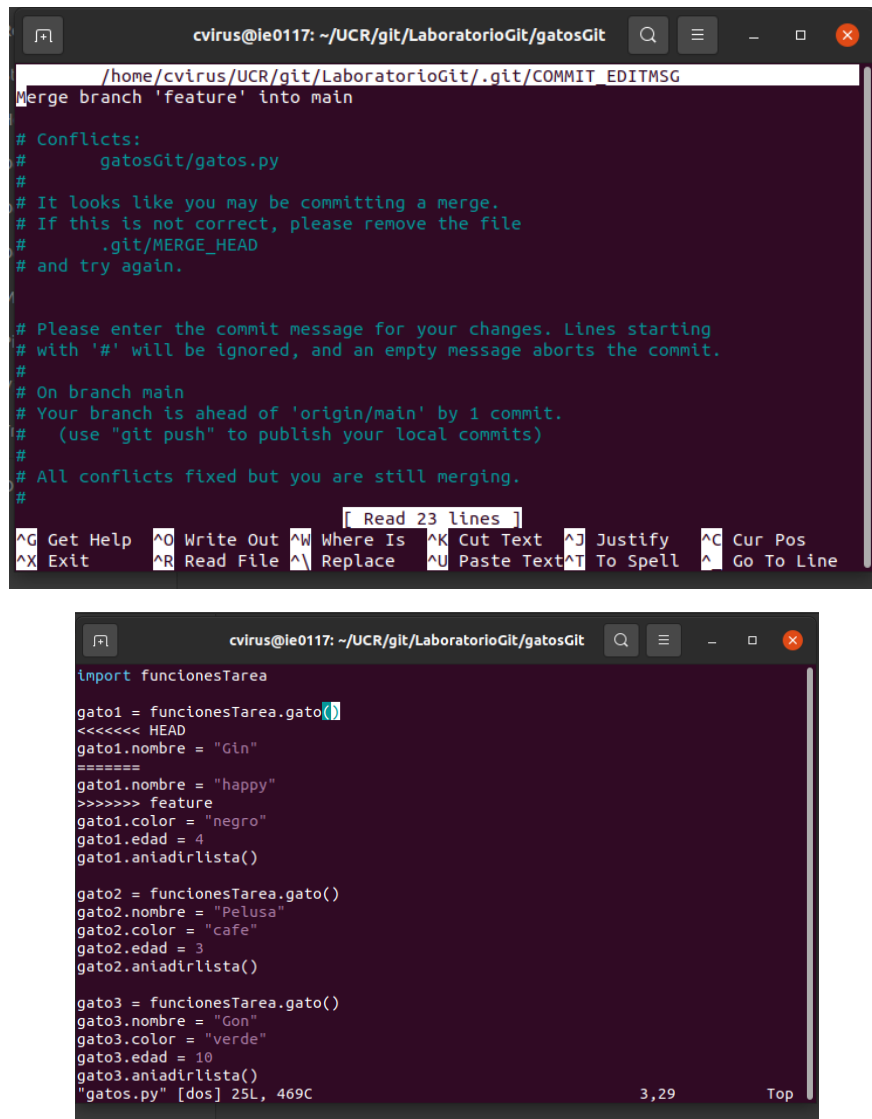
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SEDE UNIVERSITARIA RODRIGO FACIO

Punto 5.



The first screenshot shows a terminal window with the title 'cvirus@ie0117: ~/UCR/git/LaboratorioGit/gatosGit'. The terminal is displaying the output of a 'git merge' command, which has resulted in a conflict. The text in the terminal is as follows:

```
/home/cvirus/UCR/git/LaboratorioGit/.git/COMMIT_EDITMSG
Merge branch 'feature' into main

# Conflicts:
#   gatosGit/gatos.py
#
# It looks like you may be committing a merge.
# If this is not correct, please remove the file
#   .git/MERGE_HEAD
# and try again.

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# On branch main
# Your branch is ahead of 'origin/main' by 1 commit.
#   (use "git push" to publish your local commits)
#
# All conflicts fixed but you are still merging.
#
[ Read 23 lines ]
^G Get Help  ^O Write Out ^W Where Is  ^K Cut Text  ^J Justify   ^C Cur Pos
^X Exit      ^R Read File ^\ Replace  ^U Paste Text ^T To Spell  ^_ Go To Line
```

The second screenshot shows the same terminal window with the title 'cvirus@ie0117: ~/UCR/git/LaboratorioGit/gatosGit'. The terminal is displaying the output of a 'cat' command, which has resulted in a conflict. The text in the terminal is as follows:

```
import funcionesTarea

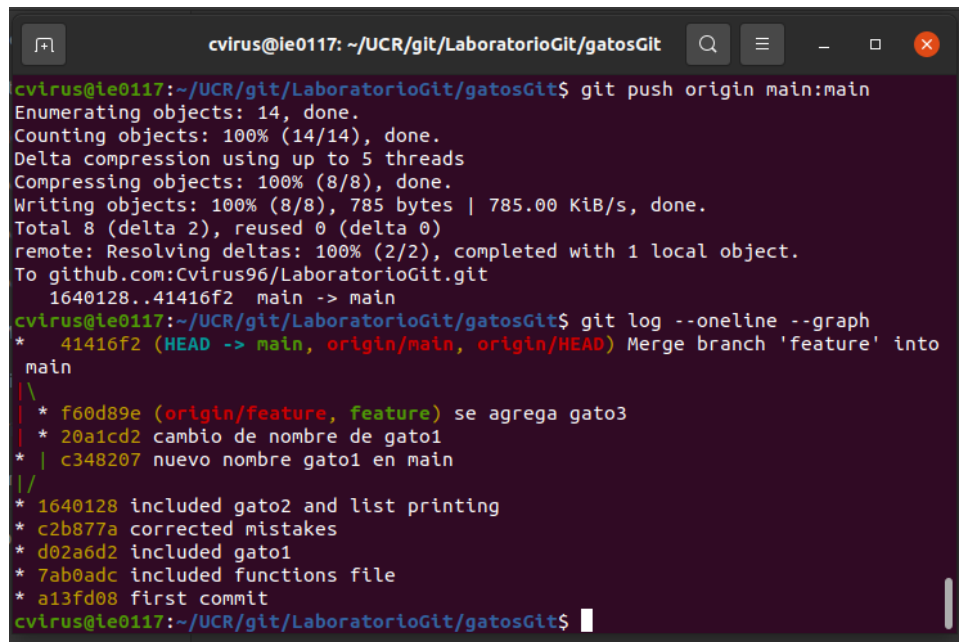
gato1 = funcionesTarea.gato()
<<<<<< HEAD
gato1.nombre = "Gin"
=====
gato1.nombre = "happy"
>>>>>> feature
gato1.color = "negro"
gato1.edad = 4
gato1.aniadirlista()

gato2 = funcionesTarea.gato()
gato2.nombre = "Pelusa"
gato2.color = "cafe"
gato2.edad = 3
gato2.aniadirlista()

gato3 = funcionesTarea.gato()
gato3.nombre = "Gon"
gato3.color = "verde"
gato3.edad = 10
gato3.aniadirlista()
"gatos.py" [dos] 25L, 469C                                     3,29      Top
```

Figura 10. Error en editor de texto.

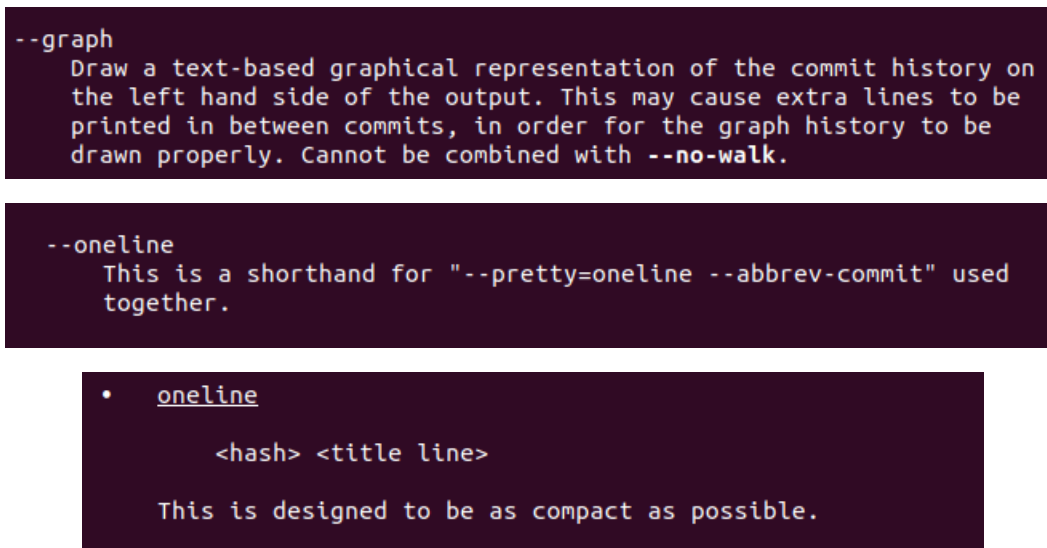
Punto 7.

A terminal window titled 'cvirus@ie0117: ~/UCR/git/LaboratorioGit/gatosGit'. The user runs 'git push origin main:main'. The output shows the push process: enumerating 14 objects, counting 100%, compressing 100%, and writing 100%. It then shows the remote resolution and the push to 'github.com:Cvirus96/LaboratorioGit.git'. The commit '1640128..41416f2 main -> main' is pushed. Then, the user runs 'git log --oneline --graph'. The output shows a graph of commits: '41416f2 (HEAD -> main, origin/main, origin/HEAD) Merge branch 'feature' into main', followed by a merge from 'f60d89e (origin/feature, feature) se agrega gato3'. Below the merge are three commits: '20a1cd2 cambio de nombre de gato1', 'c348207 nuevo nombre gato1 en main', and '1640128 included gato2 and list printing'. The rest of the log shows previous commits: 'c2b877a corrected mistakes', 'd02a6d2 included gato1', '7ab0adc included functions file', and 'a13fd08 first commit'.

```
cvirus@ie0117:~/UCR/git/LaboratorioGit/gatosGit$ git push origin main:main
Enumerating objects: 14, done.
Counting objects: 100% (14/14), done.
Delta compression using up to 5 threads
Compressing objects: 100% (8/8), done.
Writing objects: 100% (8/8), 785 bytes | 785.00 KiB/s, done.
Total 8 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To github.com:Cvirus96/LaboratorioGit.git
   1640128..41416f2  main -> main
cvirus@ie0117:~/UCR/git/LaboratorioGit/gatosGit$ git log --oneline --graph
*   41416f2 (HEAD -> main, origin/main, origin/HEAD) Merge branch 'feature' into
    main
| \
| * f60d89e (origin/feature, feature) se agrega gato3
| * 20a1cd2 cambio de nombre de gato1
| * | c348207 nuevo nombre gato1 en main
| /
* 1640128 included gato2 and list printing
* c2b877a corrected mistakes
* d02a6d2 included gato1
* 7ab0adc included functions file
* a13fd08 first commit
cvirus@ie0117:~/UCR/git/LaboratorioGit/gatosGit$
```

Figura 13. Sincronizacion del main remote y comando *git log --oneline --graph*.

Punto 8.

A document titled 'Manual de git log' with three sections. The first section, '--graph', explains that it draws a text-based graphical representation of the commit history on the left hand side of the output, and that it may cause extra lines to be printed in between commits. The second section, '--oneline', explains that it is a shorthand for '--pretty=oneline --abbrev-commit' used together. The third section, 'oneline', shows the format '<hash> <title line>' and states that it is designed to be as compact as possible.

```
--graph
Draw a text-based graphical representation of the commit history on
the left hand side of the output. This may cause extra lines to be
printed in between commits, in order for the graph history to be
drawn properly. Cannot be combined with --no-walk.

--oneline
This is a shorthand for "--pretty=oneline --abbrev-commit" used
together.

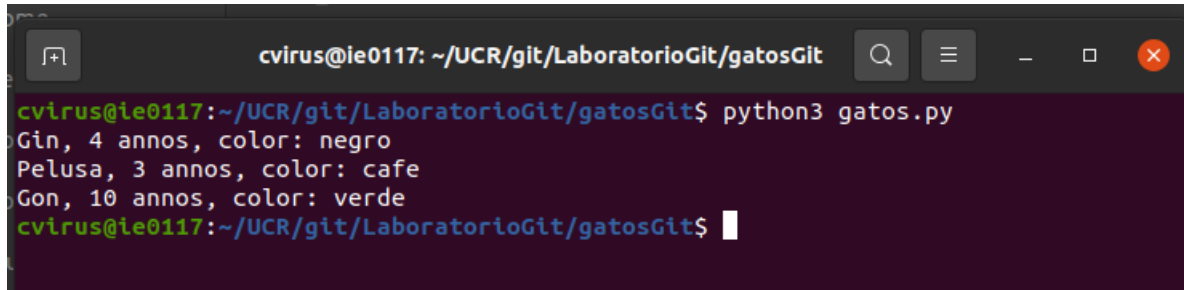
• oneline

  <hash> <title line>

  This is designed to be as compact as possible.
```

Figura 14. Manual de git log.

Punto 9.



```
cvirus@ie0117: ~/UCR/git/LaboratorioGit/gatosGit
cvirus@ie0117:~/UCR/git/LaboratorioGit/gatosGit$ python3 gatos.py
Gin, 4 annos, color: negro
Pelusa, 3 annos, color: cafe
Gon, 10 annos, color: verde
cvirus@ie0117:~/UCR/git/LaboratorioGit/gatosGit$
```

Figura 15. Programa gatos.