

Universidad de Costa Rica

Facultad de Ingeniería

Escuela de Ingeniería Eléctrica

IE-0117 - Programación Bajo Plataformas Abiertas

Laboratorio: Git

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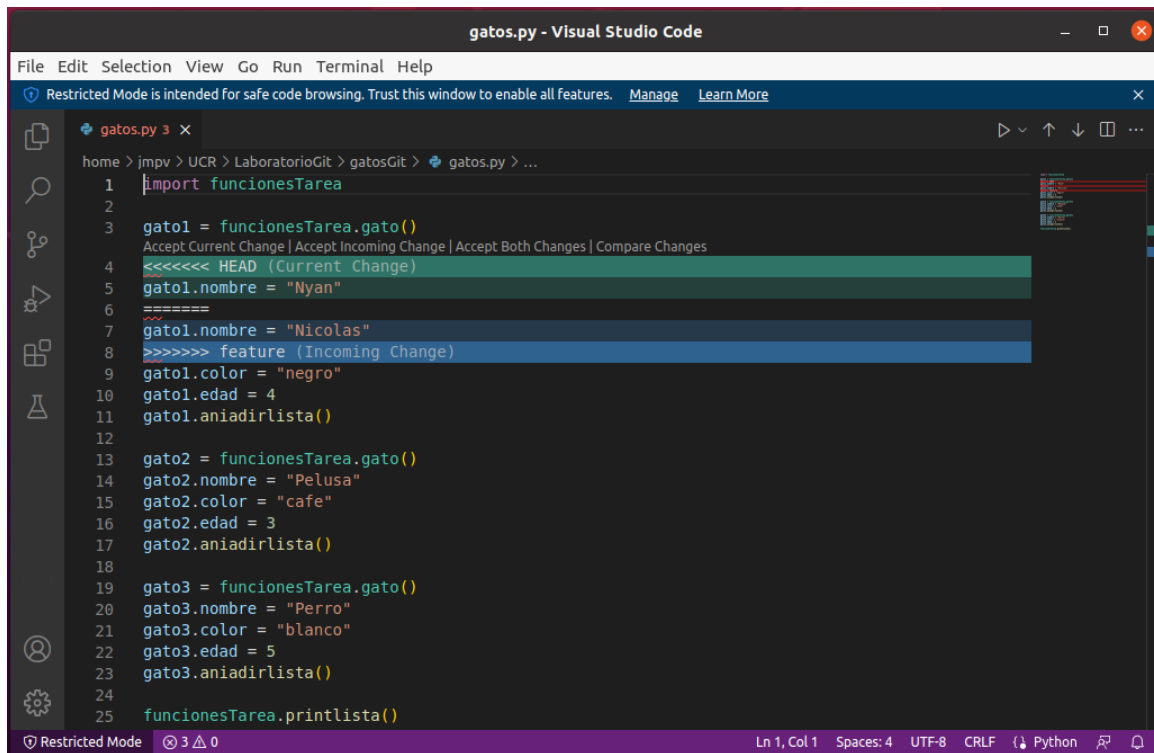


Figura 1: Conflictos entre las ramas **main** y **feature** debido a la modificación del objeto gato1 en el archivo **gatos.py**.

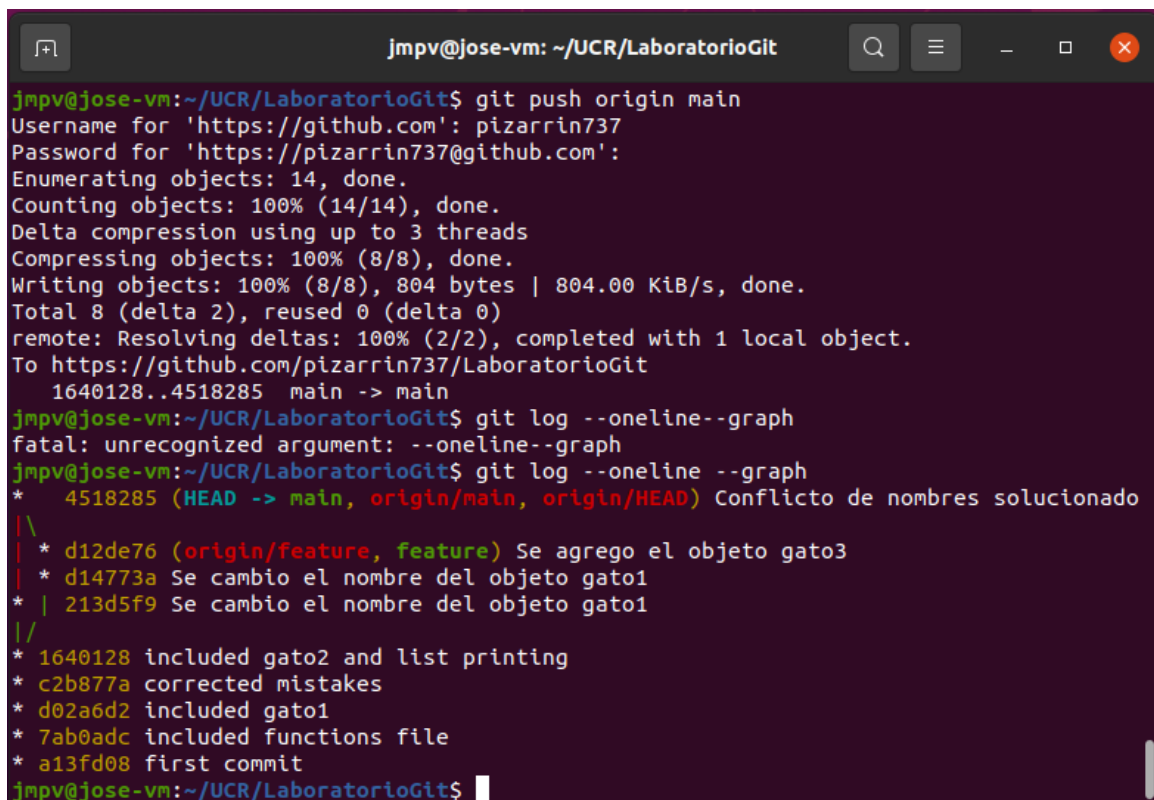
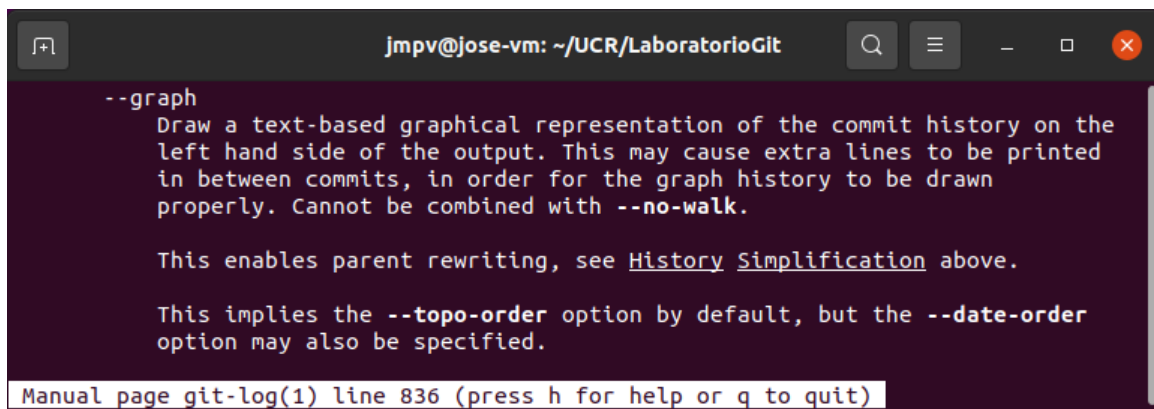


Figura 2: Incorporación de los cambios en la rama **main** del repositorio remoto y uso del comando **git log --oneline --graph** para mostrar el avance de los commits realizados en las ramas **main** y **feature** del repositorio local.



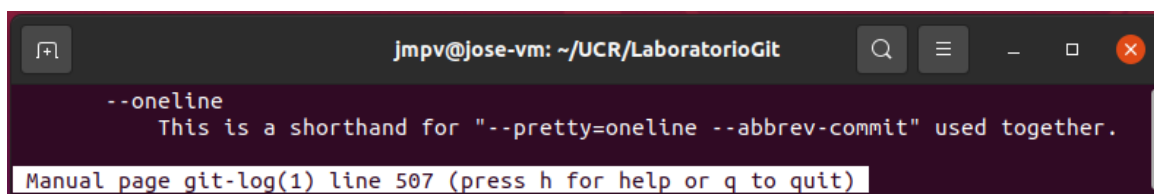
```
jmpv@jose-vm: ~/UCR/LaboratorioGit

--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.

  This enables parent rewriting, see History Simplification above.

  This implies the --topo-order option by default, but the --date-order
  option may also be specified.

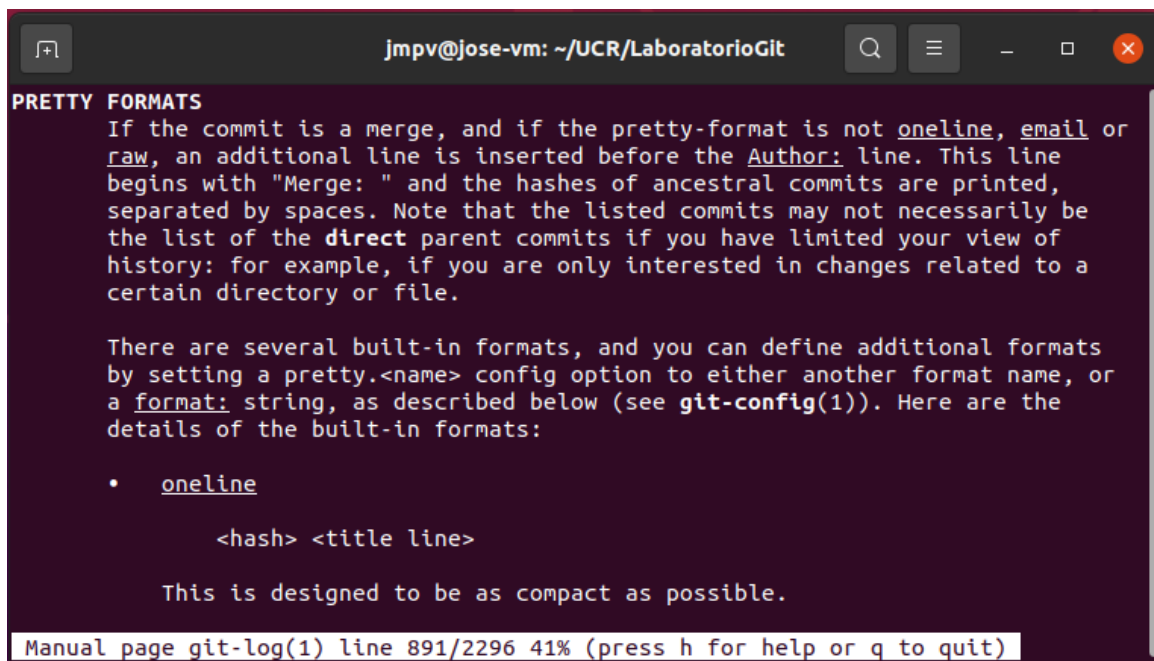
Manual page git-log(1) line 836 (press h for help or q to quit)
```

Figura 3: Manual de uso de la opción `--graph` del comando `git log`.

```
jmpv@jose-vm: ~/UCR/LaboratorioGit

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

Manual page git-log(1) line 507 (press h for help or q to quit)
```

Figura 4: Manual de uso de la opción `--oneline` del comando `git log`.

```
jmpv@jose-vm: ~/UCR/LaboratorioGit

PRETTY FORMATS
  If the commit is a merge, and if the pretty-format is not oneline, email or
  raw, an additional line is inserted before the Author: line. This line
  begins with "Merge: " and the hashes of ancestral commits are printed,
  separated by spaces. Note that the listed commits may not necessarily be
  the list of the direct parent commits if you have limited your view of
  history: for example, if you are only interested in changes related to a
  certain directory or file.

  There are several built-in formats, and you can define additional formats
  by setting a pretty.<name> config option to either another format name, or
  a format: string, as described below (see git-config\(1\)). Here are the
  details of the built-in formats:

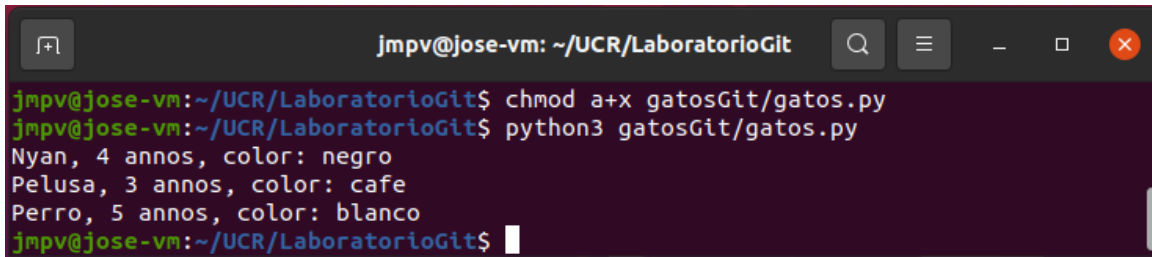
  • oneline

    <hash> <title line>

    This is designed to be as compact as possible.

Manual page git-log(1) line 891/2296 41% (press h for help or q to quit)
```

Figura 5: Propósito de diseño del formato `oneline` y su uso con el comando `git log`.

A terminal window with a dark background and light-colored text. The window title is 'jmpv@jose-vm: ~/UCR/LaboratorioGit'. The prompt is 'jmpv@jose-vm:~/UCR/LaboratorioGit\$'. The first command is 'chmod a+x gatosGit/gatos.py'. The second command is 'python3 gatosGit/gatos.py'. The output of the script is: 'Nyan, 4 annos, color: negro', 'Pelusa, 3 annos, color: cafe', and 'Perro, 5 annos, color: blanco'. The prompt is now 'jmpv@jose-vm:~/UCR/LaboratorioGit\$' with a cursor.

```
jmpv@jose-vm: ~/UCR/LaboratorioGit
jmpv@jose-vm:~/UCR/LaboratorioGit$ chmod a+x gatosGit/gatos.py
jmpv@jose-vm:~/UCR/LaboratorioGit$ python3 gatosGit/gatos.py
Nyan, 4 annos, color: negro
Pelusa, 3 annos, color: cafe
Perro, 5 annos, color: blanco
jmpv@jose-vm:~/UCR/LaboratorioGit$
```

Figura 6: Salida del archivo **gatos.py** resultante, una vez soluciinados los conflictos.