Intensificación Técnica

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UVUS:ignwarmur

Enlace al repositorio de GitHub:
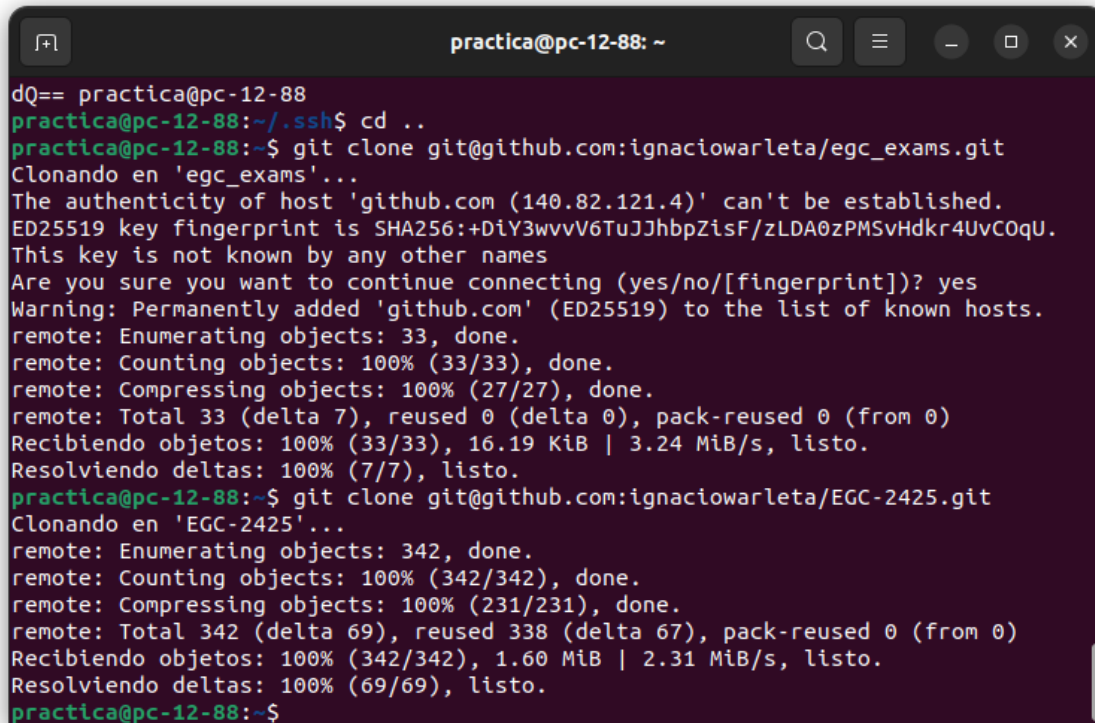https://github.com/ignaciowarleta/EGC-2425

Intensificación Técnica

(A pesar de estar muy señalado, he hecho un fork por error con la opcion por defecto marcada y no me da tiempo a corregirlo. Menuda he liado.)
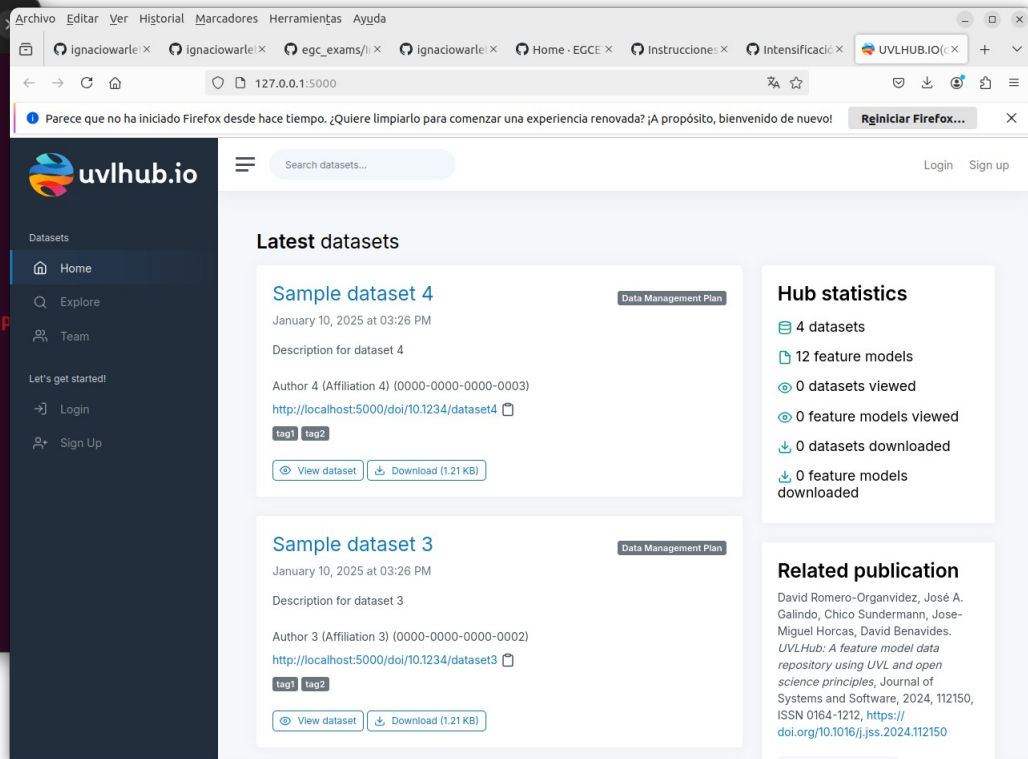
Ejercicio Git

Apartado 1


```
dQ== practica@pc-12-88
practica@pc-12-88:~/.ssh$ cd ..
practica@pc-12-88:~$ git clone git@github.com:ignaciowarleta/egc_exams.git
Clonando en 'egc_exams'...
The authenticity of host 'github.com (140.82.121.4)' can't be established.
ED25519 key fingerprint is SHA256:+DiY3wvvV6TuJJhbpZisF/zLDA0zPMSvHdkr4UvCOqU.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'github.com' (ED25519) to the list of known hosts.
remote: Enumerating objects: 33, done.
remote: Counting objects: 100% (33/33), done.
remote: Compressing objects: 100% (27/27), done.
remote: Total 33 (delta 7), reused 0 (delta 0), pack-reused 0 (from 0)
Recibiendo objetos: 100% (33/33), 16.19 KiB | 3.24 MiB/s, listo.
Resolviendo deltas: 100% (7/7), listo.
practica@pc-12-88:~$ git clone git@github.com:ignaciowarleta/EGC-2425.git
Clonando en 'EGC-2425'...
remote: Enumerating objects: 342, done.
remote: Counting objects: 100% (342/342), done.
remote: Compressing objects: 100% (231/231), done.
remote: Total 342 (delta 69), reused 338 (delta 67), pack-reused 0 (from 0)
Recibiendo objetos: 100% (342/342), 1.60 MiB | 2.31 MiB/s, listo.
Resolviendo deltas: 100% (69/69), listo.
practica@pc-12-88:~$
```

Ejercicio Git

Apartado 2

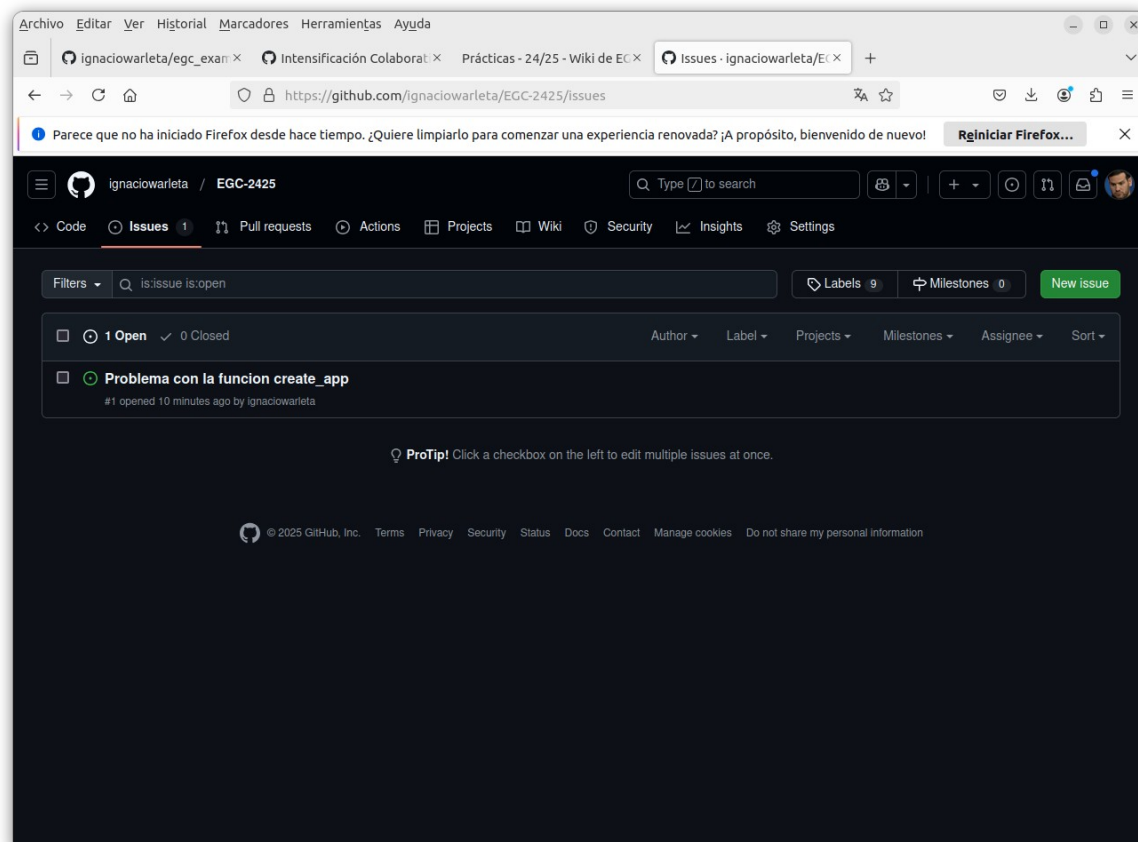# Ejercicio Git

Apartado 3

Terminal 1 (practica@pc-12-88: ~/EGC-2425):

```
(venv) practica@pc-12-88:~/EGC-2425$ ls
app          core       migrations   requirements.txt   rosemary.egg-info   setup.py    vagrant
app.log      docker     README.md    rosemary           scripts             uploads     venv
(venv) practica@pc-12-88:~/EGC-2425$ git branch -a
* feature/init-bug
  main
  remotes/origin/HEAD -> origin/main
  remotes/origin/feature/init-bug
  remotes/origin/main
(venv) practica@pc-12-88:~/EGC-2425$ flask run --host=0.0.0.0 --reload --debug
Traceback (most recent call last):
  File "/home/practica/EGC-2425/venv/bin/flask", line 8, in <module>
    sys.exit(main())
             ^^^^^^
  File "/home/practica/EGC-2425/venv/lib/python3.12/site-packages/flask/cli.py", line 1
105, in main
    cli.main()
  File "/home/practica/EGC-2425/venv/lib/python3.12/site-packages/click/core.py", line
1078, in main
    rv = self.invoke(ctx)
         ^^^^^^^^^^^^^^^^
  File "/home/practica/EGC-2425/venv/lib/python3.12/site-packages/click/core.py", line
1688, in invoke
    return _process_result(sub_ctx.command.invoke(sub_ctx))
                           ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/practica/EGC-2425/venv/lib/python3.12/site-packages/click/core.py", line
1434, in invoke
    return ctx.invoke(self.callback, **ctx.params)
           ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/practica/EGC-2425/venv/lib/python3.12/site-packages/click/core.py", line
783, in invoke
    return __callback(*args, **kwargs)
           ^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/practica/EGC-2425/venv/lib/python3.12/site-packages/click/decorators.py",
line 92, in new_func
    return ctx.invoke(f, obj, *args, **kwargs)
```

Terminal 2 (practica@pc-12-88: ~/EGC-2425):

```
                            ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/practica/EGC-2425/venv/lib/python3.12/site-packages/click/core.py", line
1434, in invoke
    return ctx.invoke(self.callback, **ctx.params)
           ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/practica/EGC-2425/venv/lib/python3.12/site-packages/click/core.py", line
783, in invoke
    return __callback(*args, **kwargs)
           ^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/practica/EGC-2425/venv/lib/python3.12/site-packages/click/decorators.py",
line 92, in new_func
    return ctx.invoke(f, obj, *args, **kwargs)
           ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/practica/EGC-2425/venv/lib/python3.12/site-packages/click/core.py", line
783, in invoke
    return __callback(*args, **kwargs)
           ^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/practica/EGC-2425/venv/lib/python3.12/site-packages/flask/cli.py", line 9
53, in run_command
    raise e from None
  File "/home/practica/EGC-2425/venv/lib/python3.12/site-packages/flask/cli.py", line 9
37, in run_command
    app: WSGIApplication = info.load_app()
                           ^^^^^^^^^^^^^^^
  File "/home/practica/EGC-2425/venv/lib/python3.12/site-packages/flask/cli.py", line 3
39, in load_app
    app = locate_app(import_name, None, raise_if_not_found=False)
          ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/practica/EGC-2425/venv/lib/python3.12/site-packages/flask/cli.py", line 2
45, in locate_app
    __import__(module_name)
  File "/home/practica/EGC-2425/app/__init__.py", line 71, in <module>
    app = create_app()
          ^^^^^^^^^^^
NameError: name 'create_app' is not defined
(venv) practica@pc-12-88:~/EGC-2425$
```

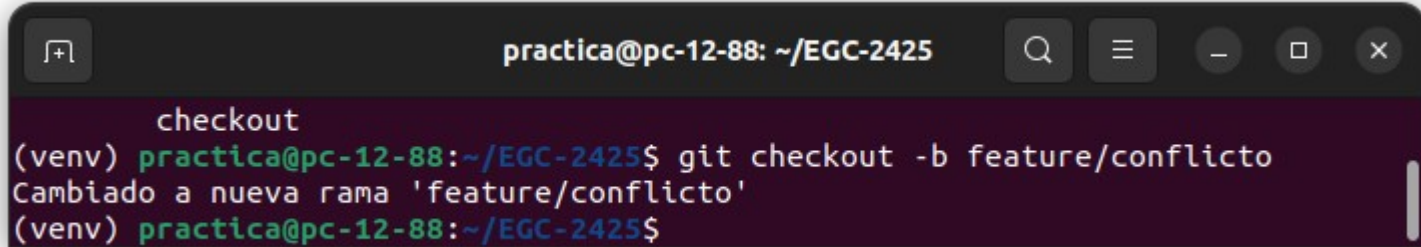# Ejercicio Git

Apartado 4

Ejercicio Git

Apartado 5


```
(venv) practica@pc-12-88:~/EGC-2425$ git checkout -b fix/app-init
Cambiado a nueva rama 'fix/app-init'
(venv) practica@pc-12-88:~/EGC-2425$ git add .
(venv) practica@pc-12-88:~/EGC-2425$ git commit -m "Correccion issue 1"
[fix/app-init 79e311f] Correccion issue 1
 2 files changed, 1 insertion(+), 1 deletion(-)
(venv) practica@pc-12-88:~/EGC-2425$ git push -u origin fix/app-init Closes #1
error: src refspec Closes no concuerda con ninguno
error: falló el empuje de algunas referencias a 'github.com:ignaciowarleta/EGC-2425.git'
(venv) practica@pc-12-88:~/EGC-2425$ git push -u origin fix/app-init Closes#1
error: src refspec Closes#1 no concuerda con ninguno
error: falló el empuje de algunas referencias a 'github.com:ignaciowarleta/EGC-2425.git'
(venv) practica@pc-12-88:~/EGC-2425$ git push -u origin fix/app-init Closes #1
error: src refspec Closes no concuerda con ninguno
error: falló el empuje de algunas referencias a 'github.com:ignaciowarleta/EGC-2425.git'
(venv) practica@pc-12-88:~/EGC-2425$ git push -u origin fix/app-init
Enumerando objetos: 9, listo.
Contando objetos: 100% (9/9), listo.
Compresión delta usando hasta 4 hilos
Comprimiendo objetos: 100% (4/4), listo.
Escribiendo objetos: 100% (5/5), 505 bytes | 505.00 KiB/s, listo.
Total 5 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
```

Ejercicio Git

Apartado 6

Ejercicio Git

Apartado 7


```
        checkout
(venv) practica@pc-12-88:~/EGC-2425$ git checkout -b feature/conflicto
Cambiado a nueva rama 'feature/conflicto'
(venv) practica@pc-12-88:~/EGC-2425$
```

Ejercicio Git
Apartado 7

Ejercicio Git

Apartado 7

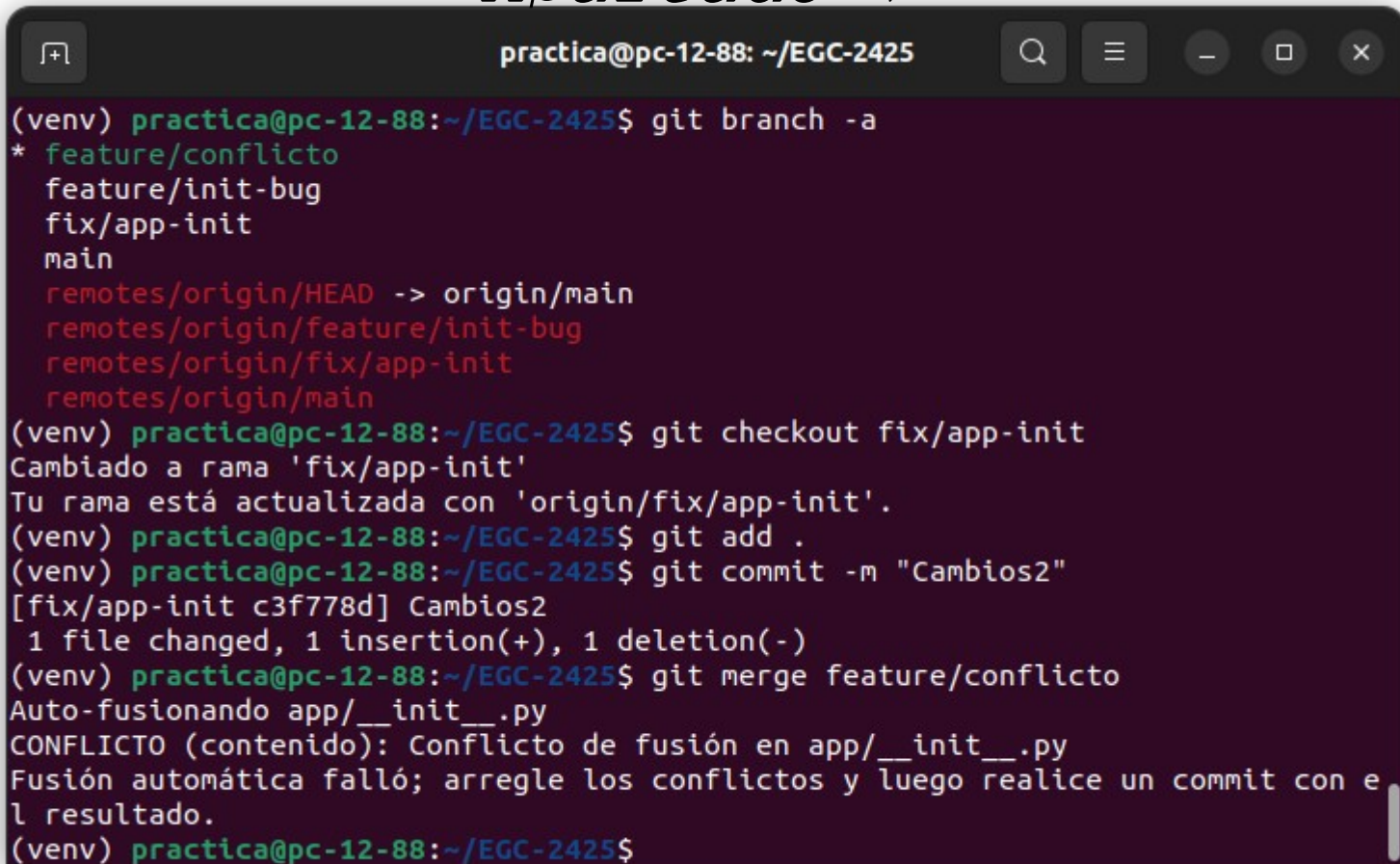Editor window (`__init__.py` — ~/EGC-2425/app):

```
22  def create_app(config_name='development'):
23      app = Flask(__name__)
24
25      # Load configuration according to environment
26      config_manager = ConfigManager(app)
27      config_manager.load_config(config_name=config_name)
28
29      # Initialize SQLAlchemy and Migrate with the app
30      db.init_app(app, uri=os.getenv('DATABASE_URI'))
31      migrate.init_app(app, db)
32
33      # Register modules
34      module_manager = ModuleManager(app)
35      module_manager.register_modules()
36
37      # Register login manager
38      from flask_login import LoginManager
39      login_manager = LoginManager()
```

`Guardando el ...`   `Python 2 ∨`   `Anchura del tabulador: 8 ∨`   `Ln 30, Col`

Terminal window (practica@pc-12-88: ~/EGC-2425):

```
Cambiado a nueva rama 'feature/conflicto'
(venv) practica@pc-12-88:~/EGC-2425$ git add .
(venv) practica@pc-12-88:~/EGC-2425$ git commit -m "Cambios1"
[feature/conflicto 26c1579] Cambios1
 1 file changed, 1 insertion(+), 1 deletion(-)
(venv) practica@pc-12-88:~/EGC-2425$ git branch -a
* feature/conflicto
  feature/init-bug
  fix/app-init
  main
  remotes/origin/HEAD -> origin/main
  remotes/origin/feature/init-bug
  remotes/origin/fix/app-init
  remotes/origin/main
(venv) practica@pc-12-88:~/EGC-2425$ git checkout fix/app-init
Cambiado a rama 'fix/app-init'
Tu rama está actualizada con 'origin/fix/app-init'.
(venv) practica@pc-12-88:~/EGC-2425$ git add .
(venv) practica@pc-12-88:~/EGC-2425$ git commit -m "Cambios2"
[fix/app-init c3f778d] Cambios2
 1 file changed, 1 insertion(+), 1 deletion(-)
(venv) practica@pc-12-88:~/EGC-2425$
```

Ejercicio Git

Apartado 7


```
(venv) practica@pc-12-88:~/EGC-2425$ git branch -a
* feature/conflicto
  feature/init-bug
  fix/app-init
  main
  remotes/origin/HEAD -> origin/main
  remotes/origin/feature/init-bug
  remotes/origin/fix/app-init
  remotes/origin/main
(venv) practica@pc-12-88:~/EGC-2425$ git checkout fix/app-init
Cambiado a rama 'fix/app-init'
Tu rama está actualizada con 'origin/fix/app-init'.
(venv) practica@pc-12-88:~/EGC-2425$ git add .
(venv) practica@pc-12-88:~/EGC-2425$ git commit -m "Cambios2"
[fix/app-init c3f778d] Cambios2
 1 file changed, 1 insertion(+), 1 deletion(-)
(venv) practica@pc-12-88:~/EGC-2425$ git merge feature/conflicto
Auto-fusionando app/__init__.py
CONFLICTO (contenido): Conflicto de fusión en app/__init__.py
Fusión automática falló; arregle los conflictos y luego realice un commit con e
l resultado.
(venv) practica@pc-12-88:~/EGC-2425$
```

Ejercicio Git

Apartado 7

Ejercicio Git

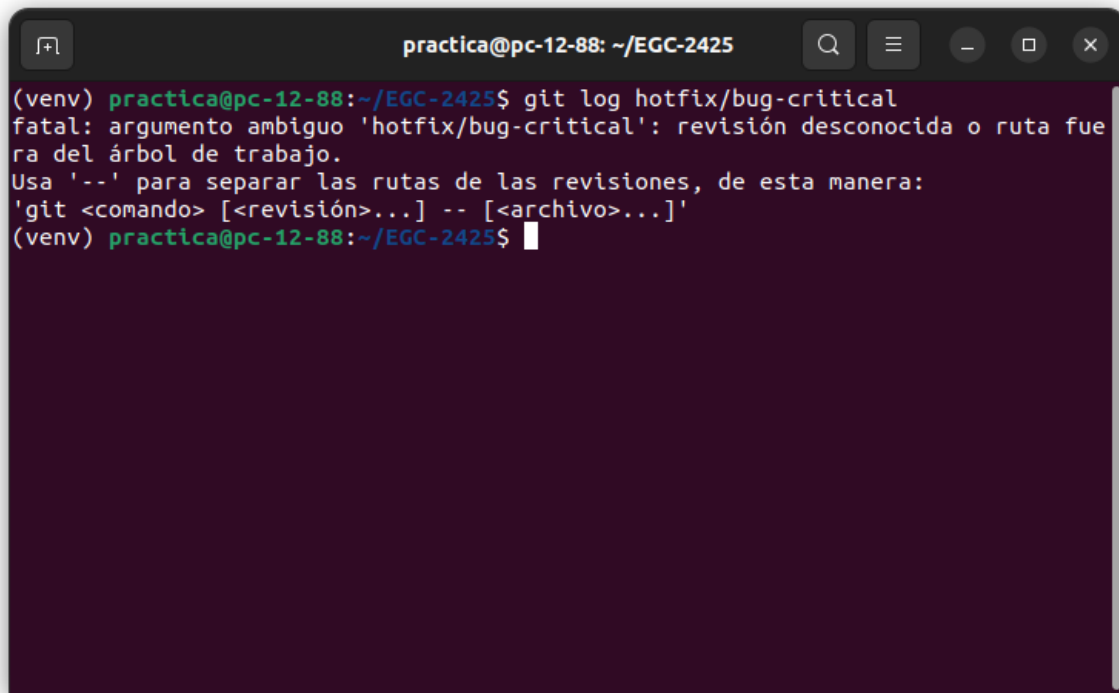*Apartado 7*


```
 fix/app-init
 main
 remotes/origin/HEAD -> origin/main
 remotes/origin/feature/init-bug
 remotes/origin/fix/app-init
 remotes/origin/main
(venv) practica@pc-12-88:~/EGC-2425$ git checkout fix/app-init
Cambiado a rama 'fix/app-init'
Tu rama está actualizada con 'origin/fix/app-init'.
(venv) practica@pc-12-88:~/EGC-2425$ git add .
(venv) practica@pc-12-88:~/EGC-2425$ git commit -m "Cambios2"
[fix/app-init c3f778d] Cambios2
 1 file changed, 1 insertion(+), 1 deletion(-)
(venv) practica@pc-12-88:~/EGC-2425$ git merge feature/conflicto
Auto-fusionando app/__init__.py
CONFLICTO (contenido): Conflicto de fusión en app/__init__.py
Fusión automática falló; arregle los conflictos y luego realice un commit con e
l resultado.
(venv) practica@pc-12-88:~/EGC-2425$ git add .
(venv) practica@pc-12-88:~/EGC-2425$ git commit -m "Resolucion conflicto"
[fix/app-init b2b6faa] Resolucion conflicto
(venv) practica@pc-12-88:~/EGC-2425$
```

Ejercicio Git

Apartado 8

Deberia salir los commits junto a sus hash

Ejercicio Git

Apartado 9

Al no salir en el apartado anterior el codigo hash no puedo realizar cherry pick, pero simplemente seria ejecutar el comando git cherry-pick hash1234 siendo hash1234 el hash que se desee usar y pushear

Ejercicio Git

Apartado 10

Ejercicio Git

Apartado 11

En funcion del log que resultara del apartado 10 deberiamos realizar un git rebase -i HEAD~ indicando el numero para que resulte el historial como el que se indica

Ejercicio Git

Apartado 12

```
Git checkout-b feature/parche
Git checkout fix/bug-atomic
```

Ejercicio Git

Apartado 13

Podria ser:

Git diff HEAD > cambios.patch

Ejercicio Git

Apartado 14

Con un checkout nos moveriamos a la rama indicada. Con un git log --oneline obtendriamos el hash del commit que deseamos y solo tendriamos que ejecutar git cherry-pick hash1234
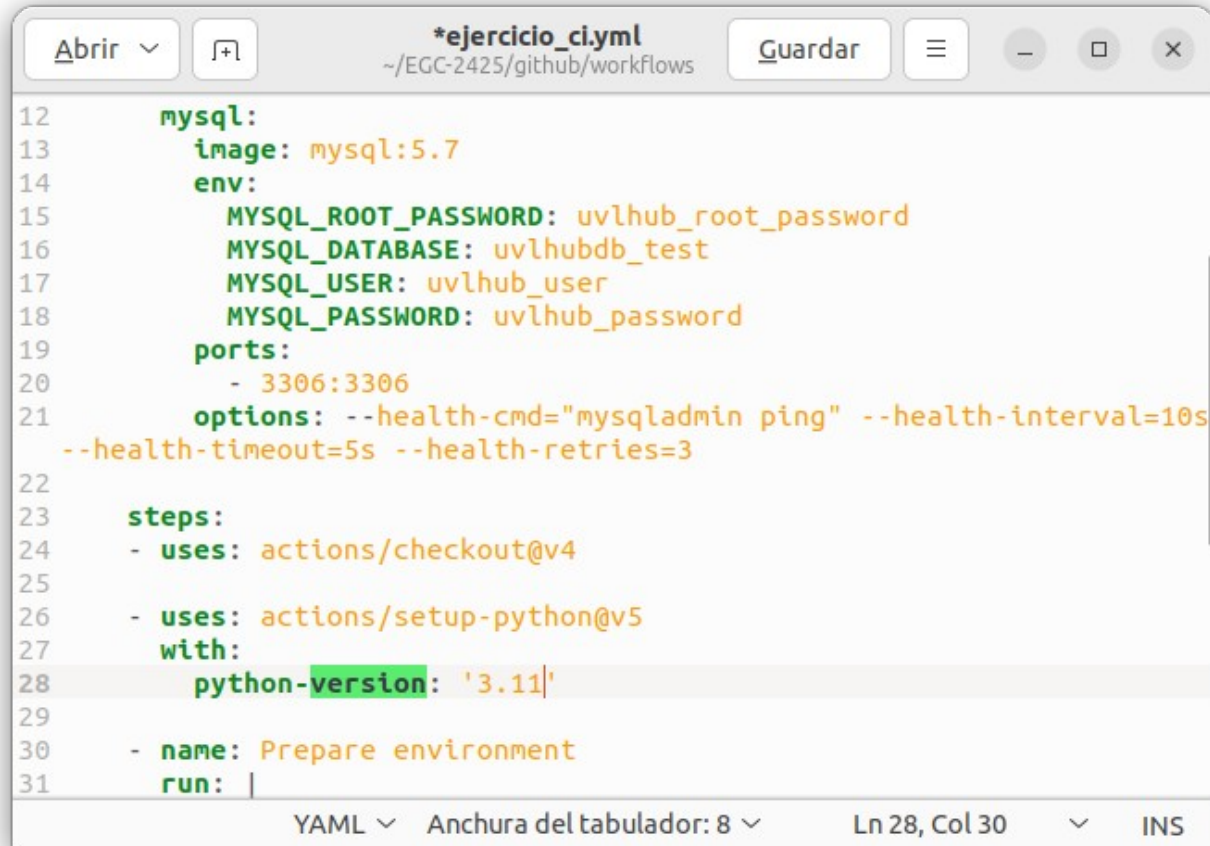
Ejercicio Git

Apartado 15

Se podria hacer con git apply cambios.patch

Ejercicio GitHub Actions

Apartado 1


```yaml
12      mysql:
13        image: mysql:5.7
14        env:
15          MYSQL_ROOT_PASSWORD: uvlhub_root_password
16          MYSQL_DATABASE: uvlhubdb_test
17          MYSQL_USER: uvlhub_user
18          MYSQL_PASSWORD: uvlhub_password
19        ports:
20          - 3306:3306
21        options: --health-cmd="mysqladmin ping" --health-interval=10s
   --health-timeout=5s --health-retries=3
22
23    steps:
24    - uses: actions/checkout@v4
25
26    - uses: actions/setup-python@v5
27      with:
28        python-version: '3.11'
29
30    - name: Prepare environment
31      run: |
```

Ejercicio GitHub Actions

Apartado 2

Ejercicio GitHub Actions

Apartado 3

Ejercicio GitHub Actions

Apartado 4

Ejercicio GitHub Actions

Apartado 5

Ejercicio GitHub Actions

Apartado 6

Ejercicio GitHub Actions
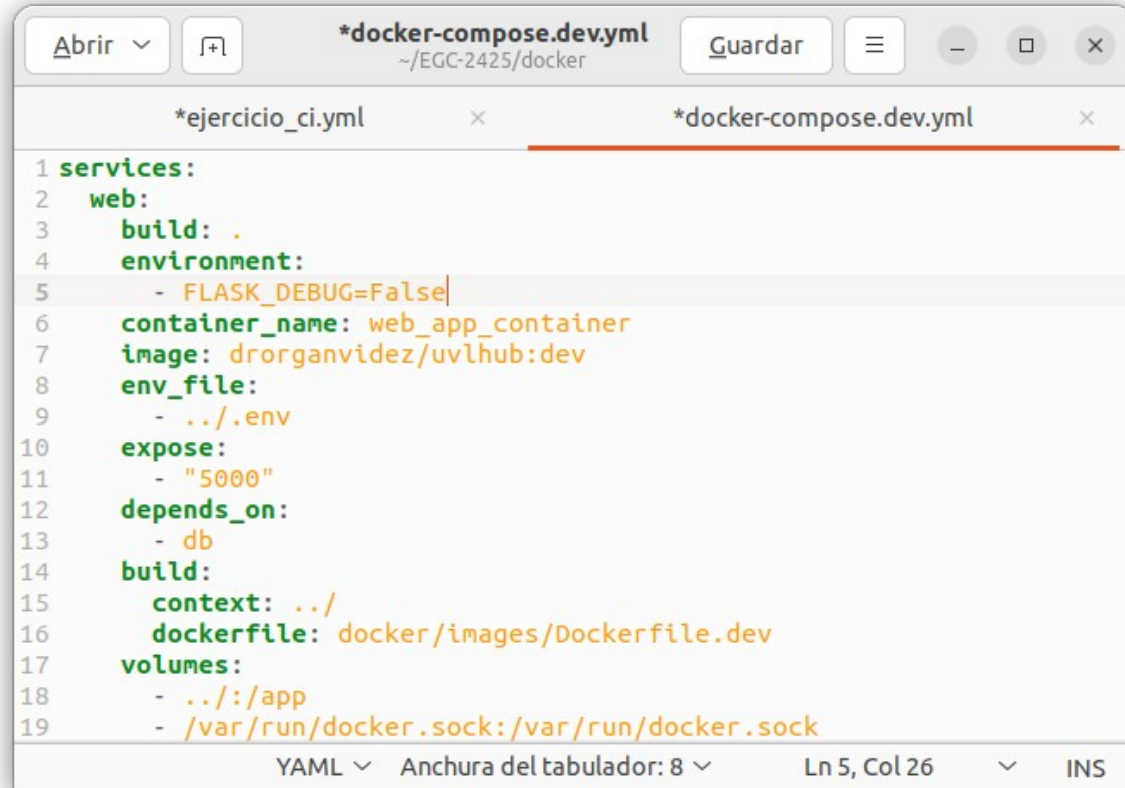
Apartado 7

Ejercicio Docker

Apartado 1


```
(venv) practica@pc-12-88:~/EGC-2425$ git checkout -b chore/docker
Cambiado a nueva rama 'chore/docker'
(venv) practica@pc-12-88:~/EGC-2425$ cp .env.docker.example .env
(venv) practica@pc-12-88:~/EGC-2425$ docker compose -f docker/docker-compose.dev
.yml up -d
[+] Running 9/9
✔ nginx Pulled                                              8.0s
  ✔ fd674058ff8f Pull complete                              2.3s
  ✔ 566e42bcee1c Pull complete                              3.1s
  ✔ 2b99b9c5d9e5 Pull complete                              3.2s
  ✔ bd98674871f5 Pull complete                              3.2s
  ✔ 1e109dd2a0d7 Pull complete                              3.3s
  ✔ da8cc133ff82 Pull complete                              3.3s
  ✔ c44f27309ea1 Pull complete                              3.3s
! web Warning               manifest for drorganvidez/uvlh...   1.2s
[+] Running 0/1
[+] Building 0.5s (1/2)                        docker:default
[+] Building 15.8s (6/7)                       docker:default
[+] Running 1/2.3s (12/26)                     docker:default
[+] Building 31.4s (12/26)                     docker:default
=> => transferring context: 2B                                0.0s
[+] Building 91.2s (24/26)                     docker:default
=> => extracting sha256:de2a998baeb3b693572201ce82da66e97b26f2feabf01efb  0.9s
```

```
=> [web  8/15] COPY --chmod=0755 scripts/wait-for-db.sh ./scripts/       0.1
=> [web  9/15] COPY --chmod=0755 scripts/init-testing-db.sh ./scripts/   0.1
=> [web 10/15] COPY rosemary/ ./rosemary                                 0.2
=> [web 11/15] COPY setup.py ./                                          0.1
=> [web 12/15] COPY docker/ ./docker                                     0.0
=> [web 13/15] RUN pip install --no-cache-dir --upgrade pip             2.5
=> [web 14/15] RUN pip install -r requirements.txt                     39.3
=> [web 15/15] RUN pip install -e ./                                     1.9
=> [web] exporting to image                                             2.6
=> => exporting layers                                                  2.5
[+] Running 6/7image sha256:fd2f6bf87c2e6b442c50cd9d13c086f9aa78f0428de45  0.0
✔ Service db                              Built                        16.0
✔ Service web                             Built                        93.8
✔ Network docker_uvlhub_network           Created                       0.1
✔ Volume "docker_db_data"                 Crea...                       0.0
⠋ Container mariadb_container              Starting                      0.4
✔ Container web_app_container             Created                       0.1
✔ Container nginx_web_server_container    Created                       0.0
Error response from daemon: driver failed programming external connectivity on
ndpoint mariadb_container (37833d439e9eb8749a78b2be7a054e83ce2bad13c3f2e60ae4a
71d359c45b3): failed to bind port 0.0.0.0:3306/tcp: Error starting userland pr
y: listen tcp4 0.0.0.0:3306: bind: address already in use
(venv) practica@pc-12-88:~/EGC-2425$
```

Ejercicio Docker

Apartado 2


```yaml
Abrir ∨    [+]        *docker-compose.dev.yml    Guardar    ≡    _  □  ✕
                        ~/EGC-2425/docker

        *ejercicio_ci.yml          ✕          *docker-compose.dev.yml        ✕

 1  services:
 2    web:
 3      build: .
 4      environment:
 5        - FLASK_DEBUG=False
 6      container_name: web_app_container
 7      image: drorganvidez/uvlhub:dev
 8      env_file:
 9        - ../.env
10      expose:
11        - "5000"
12      depends_on:
13        - db
14      build:
15        context: ../
16        dockerfile: docker/images/Dockerfile.dev
17      volumes:
18        - ../:/app
19        - /var/run/docker.sock:/var/run/docker.sock

            YAML ∨   Anchura del tabulador: 8 ∨      Ln 5, Col 26   ∨      INS
```

Ejercicio Docker

Apartado 3

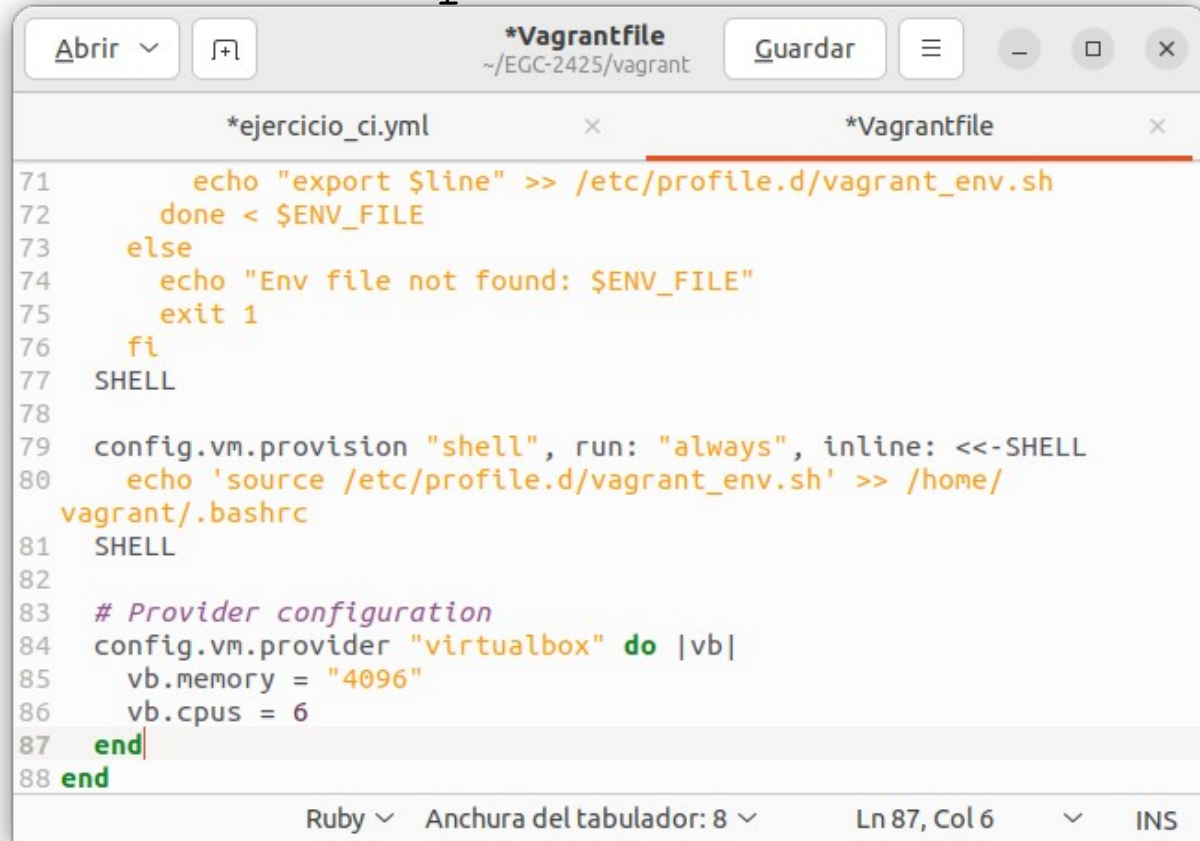# Ejercicio Docker

Apartado 4

Ejercicio Docker

Apartado 5

Ejercicio Docker

Apartado 6

Ejercicio Vagrant

Apartado 1


```
71        echo "export $line" >> /etc/profile.d/vagrant_env.sh
72     done < $ENV_FILE
73   else
74     echo "Env file not found: $ENV_FILE"
75     exit 1
76   fi
77   SHELL
78
79   config.vm.provision "shell", run: "always", inline: <<-SHELL
80     echo 'source /etc/profile.d/vagrant_env.sh' >> /home/
   vagrant/.bashrc
81   SHELL
82
83   # Provider configuration
84   config.vm.provider "virtualbox" do |vb|
85     vb.memory = "4096"
86     vb.cpus = 6
87   end
88 end
```

Ejercicio Vagrant

Apartado 2

Ejercicio Vagrant

Apartado 3

Ejercicio Vagrant

Apartado 4