

TEST UNITARIO:

```
proyecto_bigdata=test_functions.py
Git Window Help
py
functions.py x test_functions.py x
_bigdata
13
14 def test_sumar2():
15     assert sumar(3, 4) == 7
16
17 def test_restar():
18     assert restar(8, 4) == 4
19
20 def test_multiplicacion():
21     assert multiplicacion(3, 4) == 12
22
23 def test_division1():
24     assert division(4, 2) == 2
25
26 def test_potencia():
27     assert pow(4,2) == 16
28
29 def test_longitud():
30     assert len('ivan') == 4
31
32 def test_sumar_numeros():
33     assert sum([5,5]) == 10
    test_sumar_numeros()

✓ Tests passed: 8 of 8 tests – 0 ms
../test/test_functions.py::test_sumar1 PASSED [ 12%]
../test/test_functions.py::test_sumar2 PASSED [ 25%]
../test/test_functions.py::test_restar PASSED [ 37%]
../test/test_functions.py::test_multiplicacion PASSED [ 50%]
../test/test_functions.py::test_division1 PASSED [ 62%]
../test/test_functions.py::test_potencia PASSED [ 75%]
../test/test_functions.py::test_longitud PASSED [ 87%]
../test/test_functions.py::test_sumar_numeros PASSED [100%]

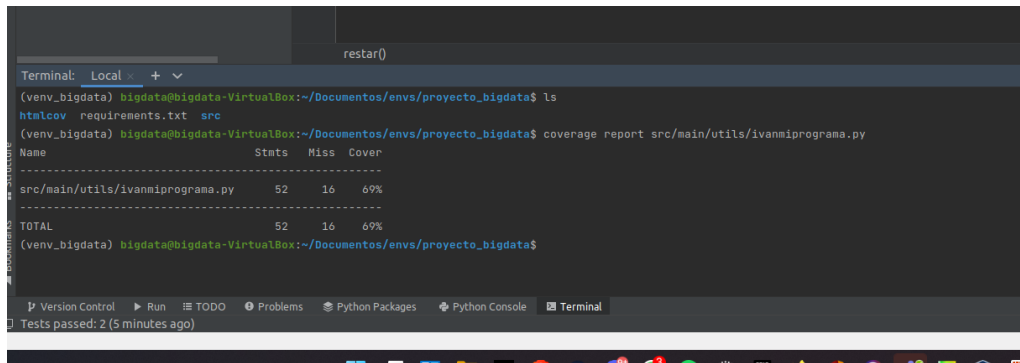
===== 8 passed in 0.04s =====
ges Python Console Terminal
```

Realizamos cambios para que dé fallo:

```
17
18 def test_division1():
19     assert division(4, 2) == 2
20
21
test_sumar1()

⚙️ Tests failed: 1, passed: 4 of 5 tests – 6 ms
6 ms
6 ms def test_sumar1():
6 ms >     assert sumar(1, 2) == 5
6 ms E     assert 3 == 5
E         +3
E         -5
../test/test_functions.py:7: AssertionError
```

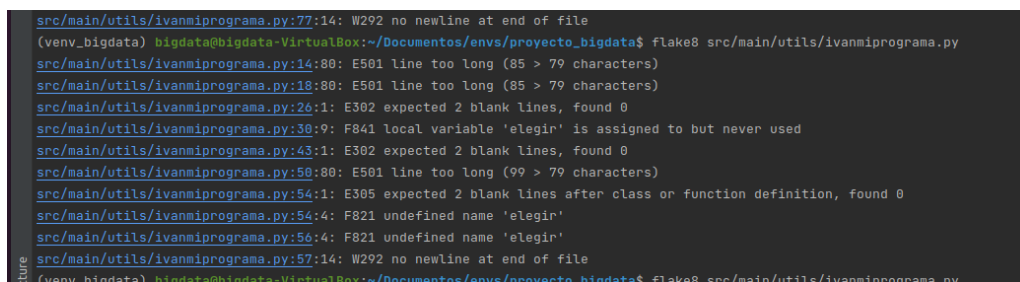
COVERAGE:



```
restart()

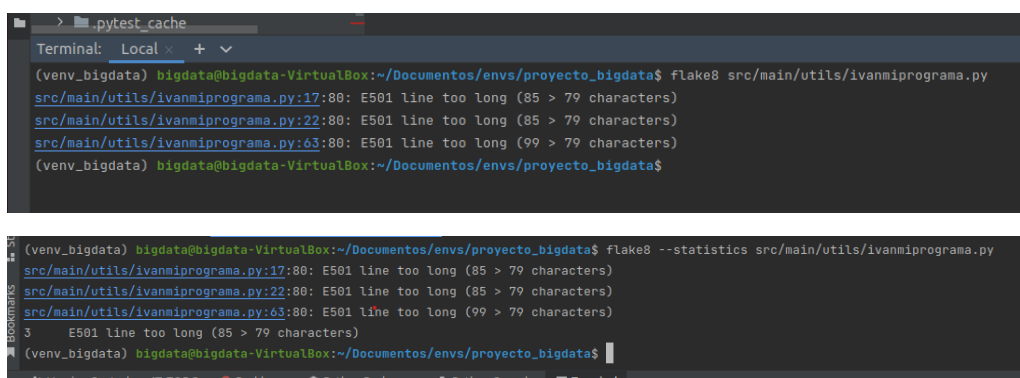
Terminal: Local x + v
(venv_bigdata) bigdata@bigdata-VirtualBox:~/Documentos/envs/proyecto_bigdata$ ls
htmlcov requirements.txt src
(venv_bigdata) bigdata@bigdata-VirtualBox:~/Documentos/envs/proyecto_bigdata$ coverage report src/main/utills/ivanmiprograma.py
Name                               Stmts   Miss  Cover
-----
src/main/utills/ivanmiprograma.py    52      16    69%
TOTAL                                52      16    69%
(venv_bigdata) bigdata@bigdata-VirtualBox:~/Documentos/envs/proyecto_bigdata$
```

FLAKE 8:



```
src/main/utills/ivanmiprograma.py:77:14: W292 no newline at end of file
(venv_bigdata) bigdata@bigdata-VirtualBox:~/Documentos/envs/proyecto_bigdata$ flake8 src/main/utills/ivanmiprograma.py
src/main/utills/ivanmiprograma.py:14:80: E501 line too long (85 > 79 characters)
src/main/utills/ivanmiprograma.py:18:80: E501 line too long (85 > 79 characters)
src/main/utills/ivanmiprograma.py:26:1: E302 expected 2 blank lines, found 0
src/main/utills/ivanmiprograma.py:30:9: F841 local variable 'elegir' is assigned to but never used
src/main/utills/ivanmiprograma.py:43:1: E302 expected 2 blank lines, found 0
src/main/utills/ivanmiprograma.py:50:80: E501 line too long (99 > 79 characters)
src/main/utills/ivanmiprograma.py:54:1: E305 expected 2 blank lines after class or function definition, found 0
src/main/utills/ivanmiprograma.py:54:4: F821 undefined name 'elegir'
src/main/utills/ivanmiprograma.py:56:4: F821 undefined name 'elegir'
src/main/utills/ivanmiprograma.py:57:14: W292 no newline at end of file
(venv_bigdata) bigdata@bigdata-VirtualBox:~/Documentos/envs/proyecto_bigdata$ flake8 src/main/utills/ivanmiprograma.py
```

Corregimos errores



```
> .pytest_cache
Terminal: Local x + v
(venv_bigdata) bigdata@bigdata-VirtualBox:~/Documentos/envs/proyecto_bigdata$ flake8 src/main/utills/ivanmiprograma.py
src/main/utills/ivanmiprograma.py:17:80: E501 line too long (85 > 79 characters)
src/main/utills/ivanmiprograma.py:22:80: E501 line too long (85 > 79 characters)
src/main/utills/ivanmiprograma.py:63:80: E501 line too long (99 > 79 characters)
(venv_bigdata) bigdata@bigdata-VirtualBox:~/Documentos/envs/proyecto_bigdata$

(venv_bigdata) bigdata@bigdata-VirtualBox:~/Documentos/envs/proyecto_bigdata$ flake8 --statistics src/main/utills/ivanmiprograma.py
src/main/utills/ivanmiprograma.py:17:80: E501 line too long (85 > 79 characters)
src/main/utills/ivanmiprograma.py:22:80: E501 line too long (85 > 79 characters)
src/main/utills/ivanmiprograma.py:63:80: E501 line too long (99 > 79 characters)
3      E501 line too long (85 > 79 characters)
(venv_bigdata) bigdata@bigdata-VirtualBox:~/Documentos/envs/proyecto_bigdata$
```

Establecer un umbral máximo de complejidad ciclomatica8 y tener como máximo 5 advertencias.

```
(venv_bigdata) bigdata@bigdata-VirtualBox:~/Documentos/envs/proyecto_bigdata$ flake8 --max-complexity 2 --statistics src/main/utis/ivanmiprograma.py
src/main/utis/ivanmiprograma.py:12:1: C901 'Loop 12' is too complex (5)
src/main/utis/ivanmiprograma.py:16:80: E501 line too long (85 > 79 characters)
src/main/utis/ivanmiprograma.py:21:80: E501 line too long (85 > 79 characters)
src/main/utis/ivanmiprograma.py:35:1: C901 'letra' is too complex (4)
src/main/utis/ivanmiprograma.py:53:1: C901 'palabra' is too complex (3)
src/main/utis/ivanmiprograma.py:62:80: E501 line too long (99 > 79 characters)
3      C901 'Loop 12' is too complex (5)
3      E501 line too long (85 > 79 characters)
(venv_bigdata) bigdata@bigdata-VirtualBox:~/Documentos/envs/proyecto_bigdata$
```

Corregimos

```
(venv_bigdata) bigdata@bigdata-VirtualBox:~/Documentos/envs/proyecto_bigdata$ flake8 --max-complexity 2 --statistics src/main/utis/ivanmiprograma.py
src/main/utis/ivanmiprograma.py:12:1: C901 'Loop 12' is too complex (5)
src/main/utis/ivanmiprograma.py:35:1: C901 'letra' is too complex (4)
src/main/utis/ivanmiprograma.py:53:1: C901 'palabra' is too complex (3)
3      C901 'Loop 12' is too complex (5)
(venv_bigdata) bigdata@bigdata-VirtualBox:~/Documentos/envs/proyecto_bigdata$
```

Version Control | TODO | Problems | Python Packages | Python Console | Terminal