Python Formatters

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GITHUB

https://github.com/Vladimirjon/MetodosNumericos_PasquelJohann

PYTHON FORMATTERS

Configurar el Entorno

```
pip install black autopep8 yapf isort
```

```
Collecting black
  Downloading black-24.10.0-cp311-cp311-manylinux_2_17_x86_64.manylinux2014_x86_64.manylinux_
Collecting autopep8
  Downloading autopep8-2.3.1-py2.py3-none-any.whl.metadata (16 kB)
```

```
Collecting yapf
  Downloading yapf-0.43.0-py3-none-any.whl.metadata (46 kB)
Collecting isort
  Downloading isort-5.13.2-py3-none-any.whl.metadata (12 kB)
Collecting click>=8.0.0 (from black)
  Downloading click-8.1.7-py3-none-any.whl.metadata (3.0 kB)
Collecting mypy-extensions>=0.4.3 (from black)
  Downloading mypy_extensions-1.0.0-py3-none-any.whl.metadata (1.1 kB)
Requirement already satisfied: packaging>=22.0 in /home/johann/miniforge3/envs/vladimirjon/li
Collecting pathspec>=0.9.0 (from black)
  Downloading pathspec-0.12.1-py3-none-any.whl.metadata (21 kB)
Requirement already satisfied: platformdirs>=2 in /home/johann/miniforge3/envs/vladimirjon/li
Collecting pycodestyle>=2.12.0 (from autopep8)
  Downloading pycodestyle-2.12.1-py2.py3-none-any.whl.metadata (4.5 kB)
Downloading black-24.10.0-cp311-cp311-manylinux_2_17_x86_64.manylinux2014_x86_64.manylinux_2_
                         1.7/1.7 MB 12.7 MB/s eta 0:00:00
Downloading autopep8-2.3.1-py2.py3-none-any.whl (45 kB)
Downloading yapf-0.43.0-py3-none-any.whl (256 kB)
Downloading isort-5.13.2-py3-none-any.whl (92 kB)
Downloading click-8.1.7-py3-none-any.whl (97 kB)
Downloading mypy_extensions-1.0.0-py3-none-any.whl (4.7 kB)
Downloading pathspec-0.12.1-py3-none-any.whl (31 kB)
Downloading pycodestyle-2.12.1-py2.py3-none-any.whl (31 kB)
Installing collected packages: yapf, pycodestyle, pathspec, mypy-extensions, isort, click, bl
Successfully installed autopep8-2.3.1 black-24.10.0 click-8.1.7 isort-5.13.2 mypy-extensions-
Note: you may need to restart the kernel to use updated packages.
```

Código Desordenado

```
# example.py
def my_function  ( a, b,c):
    print(a+b+c)
x  = [1,2,3,4]
for i in  x:
    print (i)
```

```
1
2
3
4
```

```
code = """
def my_function  ( a, b,c):
    print(a+b+c)
x  = [1,2,3,4]
for i in  x:
    print (i)
"""

with open("example.py", "w") as file:
    file.write(code)

print("Archivo 'example.py' creado.")
```

```
Archivo 'example.py' creado.
```

```
import os
print(os.getcwd())  # Muestra el directorio actual
```

```
/home/johann/4 Semestre/Métodos Numéricos/1 Bimestre/Extras
```

BLACK

```
subprocess.run(["black", "example.py"])
```

```
CompletedProcess(args=['black', 'example.py'], returncode=0)
```

AUTOPEP8

```
subprocess.run(["autopep8", "--in-place", "--aggressive", "example.py"])
```

```
CompletedProcess(args=['autopep8', '--in-place', '--aggressive', 'example.py'], returncode=0
```

YAPF

```python
subprocess.run(["yapf", "--in-place", "example.py"])
```

```
CompletedProcess(args=['yapf', '--in-place', 'example.py'], returncode=0)
```

ISORT

```python
subprocess.run(["isort", "example.py"])
```

```
CompletedProcess(args=['isort', 'example.py'], returncode=0)
```

RESULTADO

```python
with open("example.py", "r") as file:
    print(file.read())
```

```
def my_function(a, b, c):
    print(a + b + c)


x = [1, 2, 3, 4]
for i in x:
    print(i)
```