

# Actividad extracurricular 07 - Python Formatters

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**Fecha de entrega:** 02 de diciembre del 2024

**Paralelo:** GR1CC

**Enlace de GitHub:** <https://github.com/alexis-bautista/Actividad07-MN.git>

## Código para probar formatters

Los formatters son usados en vscode mediante uso de sus extensiones.

Código de ejemplo generado con chat gpt con formato desordenado e intencionalmente mal estructurado para probar varios formatters:

```
In [1]: import math,os

def calculate_area(radius):area=math.pi*radius**2;return area

def greet( name ):

    print( f"Hello, {name}!" )

class Circle:
    def __init__(self,radius):self.radius=radius
    def circumference(self):return 2*math.pi*self.radius

def list_files(path):return [f for f in os.listdir(path) if os.path.isfile(os.path.join(path, f))]

if __name__=="__main__":
    r=5
    print("Area:",calculate_area( r ))
    greet("Alexis" )
    c=Circle(r)
    print( "Circumference:",c.circumference())
    print("Files in current directory:",list_files(".") )
```

Area: 78.53981633974483

Hello, Alexis!

Circumference: 31.41592653589793

Files in current directory: ['.gitignore', 'pythonFormatters.ipynb', 'README.md']

## Black Formatter



```
In [ ]: import math, os

def calculate_area(radius):
    area = math.pi * radius**2
    return area

def greet(name):

    print(f"Hello, {name}!")

class Circle:
    def __init__(self, radius):
        self.radius = radius

    def circumference(self):
        return 2 * math.pi * self.radius

def list_files(path):
    return [f for f in os.listdir(path) if os.path.isfile(os.path.join(path, f))]
```

```
if __name__ == "__main__":
    r = 5
    print("Area:", calculate_area(r))
    greet("Alexis")
    c = Circle(r)
    print("Circumference:", c.circumference())
    print("Files in current directory:", list_files("."))
```

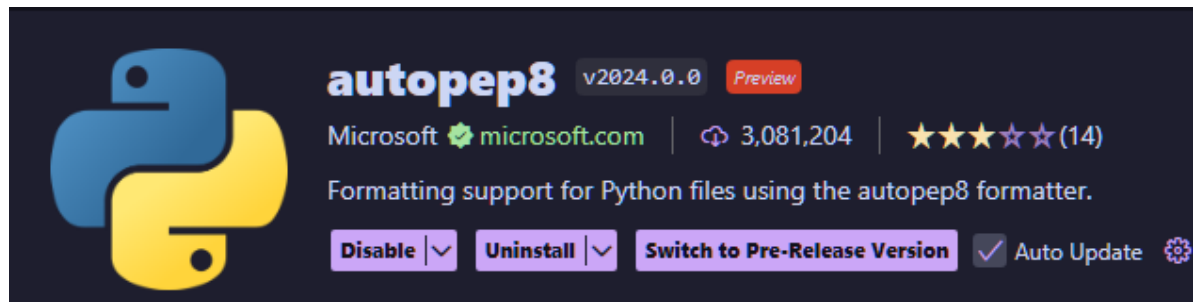
Area: 78.53981633974483

Hello, Alexis!

Circumference: 31.41592653589793

Files in current directory: ['.gitignore', 'pythonFormatters.ipynb', 'README.md']

## autopep8



```
In [3]: import math
import os

def calculate_area(radius): area = math.pi*radius**2; return area

def greet(name):

    print(f"Hello, {name}!")

class Circle:
    def __init__(self, radius): self.radius = radius
    def circumference(self): return 2*math.pi*self.radius
```

```
def list_files(path): return [f for f in os.listdir(
    path) if os.path.isfile(os.path.join(path, f))]

if __name__ == "__main__":
    r = 5
    print("Area:", calculate_area(r))
    greet("Alexis")
    c = Circle(r)
    print("Circumference:", c.circumference())
    print("Files in current directory:", list_files("."))
```

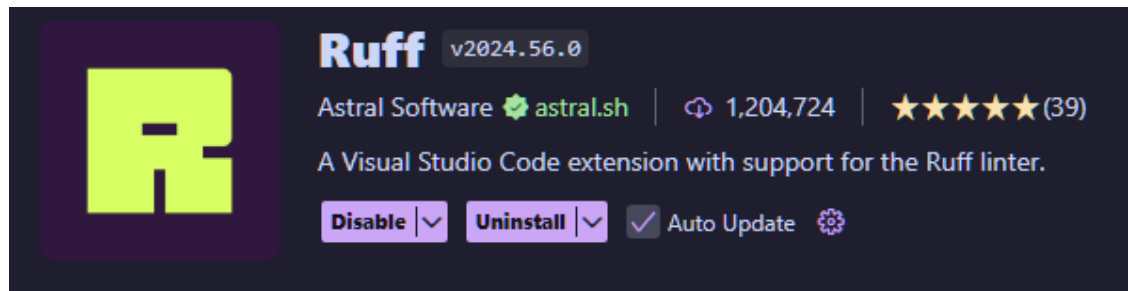
Area: 78.53981633974483

Hello, Alexis!

Circumference: 31.41592653589793

Files in current directory: ['.gitignore', 'pythonFormatters.ipynb', 'README.md']

## Ruff



In [4]: `import math, os`

```
def calculate_area(radius):
    area = math.pi * radius**2
    return area
```

```
def greet(name):
    print(f"Hello, {name}!")
```

```

class Circle:
    def __init__(self, radius):
        self.radius = radius

    def circumference(self):
        return 2 * math.pi * self.radius

def list_files(path):
    return [f for f in os.listdir(path) if os.path.isfile(os.path.join(path, f))]

if __name__ == "__main__":
    r = 5
    print("Area:", calculate_area(r))
    greet("Alexis")
    c = Circle(r)
    print("Circumference:", c.circumference())
    print("Files in current directory:", list_files("."))

```

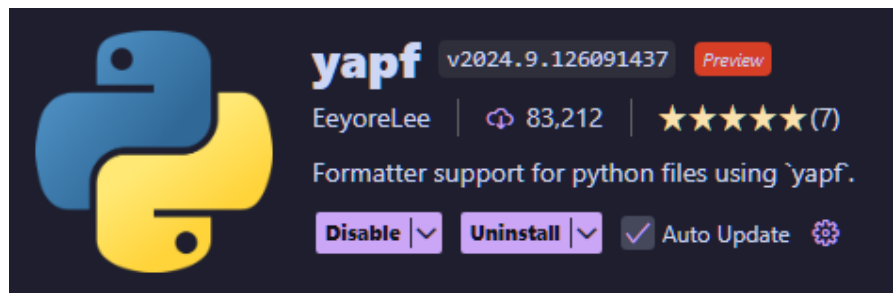
Area: 78.53981633974483

Hello, Alexis!

Circumference: 31.41592653589793

Files in current directory: ['.gitignore', 'pythonFormaters.ipynb', 'README.md']

## yapf



In [ ]: `import math, os`

```
def calculate_area(radius):
    area = math.pi * radius**2
    return area

def greet(name):

    print(f"Hello, {name}!")

class Circle:

    def __init__(self, radius):
        self.radius = radius

    def circumference(self):
        return 2 * math.pi * self.radius

def list_files(path):
    return [
        f for f in os.listdir(path) if os.path.isfile(os.path.join(path, f))
    ]

if __name__ == "__main__":
    r = 5
    print("Area:", calculate_area(r))
    greet("Alexis")
    c = Circle(r)
    print("Circumference:", c.circumference())
    print("Files in current directory:", list_files("."))
```