

Python

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Variables - Python

- Enteros
- Reales y/o flotantes
- Boolean (verdadero o falso)
- Cadenas (vario caracteres)

```
*Prueba.py - C:/Users/Mauricio/Documents/Ejer_Python/Prueba.py (3.8.3)*  
File Edit Format Run Options Window Help  
variable = 2020  
variable = 3.14  
variable = 79  
variable = "Homero"  
variable = True  
variable = variable + 1  
  
print(variable)
```



Operadores matemáticos y comentarios - Python

```
Prueba.py - C:/Users/Mauricio/Documents/Ejer_Python/Prueba.py (3.8.3)
File Edit Format Run Options Window Help
x = 10
y = 2
resultado = (x + y)
print (resultado)
```

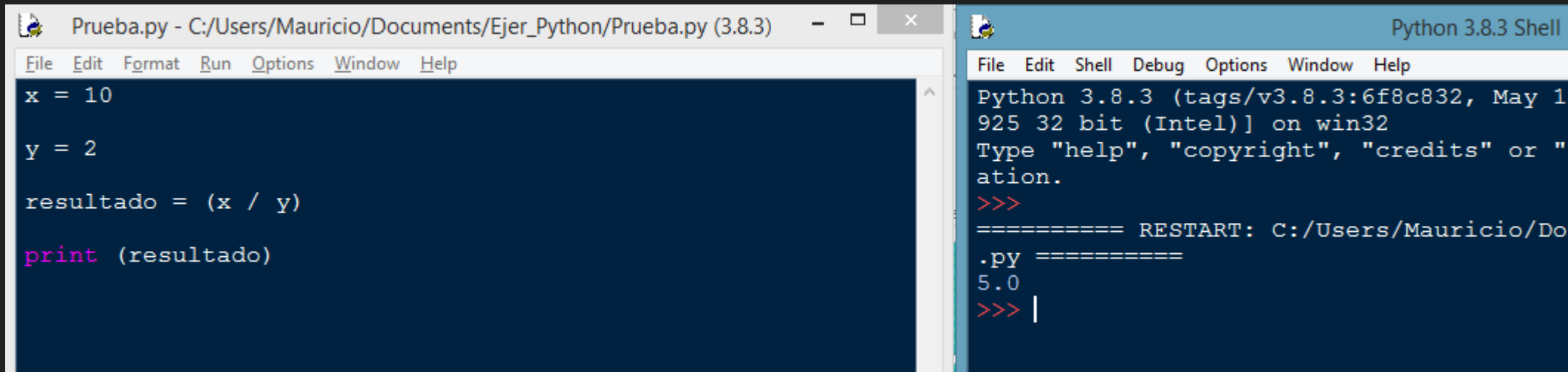
OPERADORES ARITMETICOS			
Operador	Descripción	Ejemplo	Resultado
+	Suma	c = 3 + 5	c = 8
-	Resta	c = 4 - 2	c = 2
-	Negación	c = -7	c = -7
*	Multiplicación	c = 3 * 6	c = 18
**	Potenciación	c = 2 ** 3	c = 8
/	División	c = 7.5 / 2	c = 3.75
//	División entera	c = 7.5 // 2	c = 3.0
%	Módulo	c = 8 % 3	c = 2

- Cambie el operador y verifique los resultados.



Operadores matemáticos y comentarios - Python

- División en Python



The image shows a screenshot of a Python IDE with two windows. The left window, titled 'Prueba.py - C:/Users/Mauricio/Documents/Ejer_Python/Prueba.py (3.8.3)', contains the following code:

```
x = 10
y = 2
resultado = (x / y)
print (resultado)
```

The right window, titled 'Python 3.8.3 Shell', shows the output of the script:

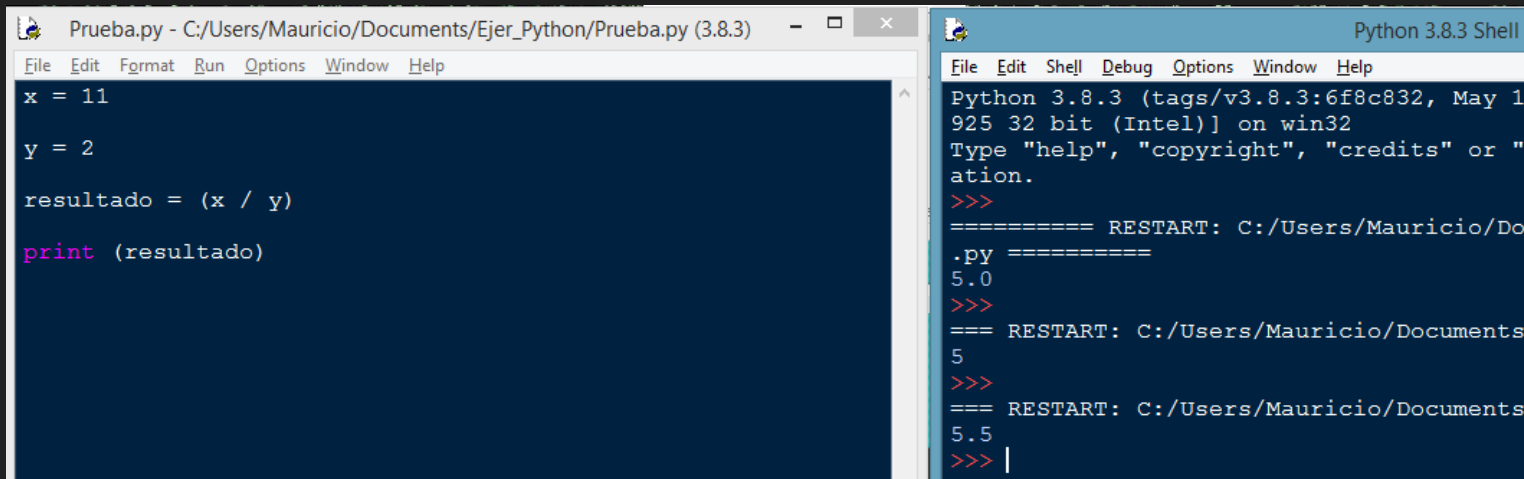
```
Python 3.8.3 (tags/v3.8.3:6f8c832, May 1
925 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "
ation.
>>>
===== RESTART: C:/Users/Mauricio/Do
.py =====
5.0
>>> |
```

- ¿Por que el resultado 5.0?



Operadores matemáticos y comentarios - Python

- División en Python (otro Ejemplo)



The image shows two side-by-side windows. The left window is a Python IDE titled 'Prueba.py - C:/Users/Mauricio/Documents/Ejer_Python/Prueba.py (3.8.3)'. It contains the following code:

```
x = 11
y = 2
resultado = (x / y)
print (resultado)
```

The right window is a 'Python 3.8.3 Shell'. It shows the output of the code from the left window, demonstrating that the division of 11 by 2 results in a float value of 5.5.

```
Python 3.8.3 (tags/v3.8.3:6f8c832, May 13 2019) [AMD64] on win32
Type "help", "copyright", "credits" or "quit()" for more.
>>>
===== RESTART: C:/Users/Mauricio/Documents/Ejer_Python/Prueba.py =====
5.0
>>>
=== RESTART: C:/Users/Mauricio/Documents/Ejer_Python/Prueba.py ===
5
>>>
=== RESTART: C:/Users/Mauricio/Documents/Ejer_Python/Prueba.py ===
5.5
>>> |
```

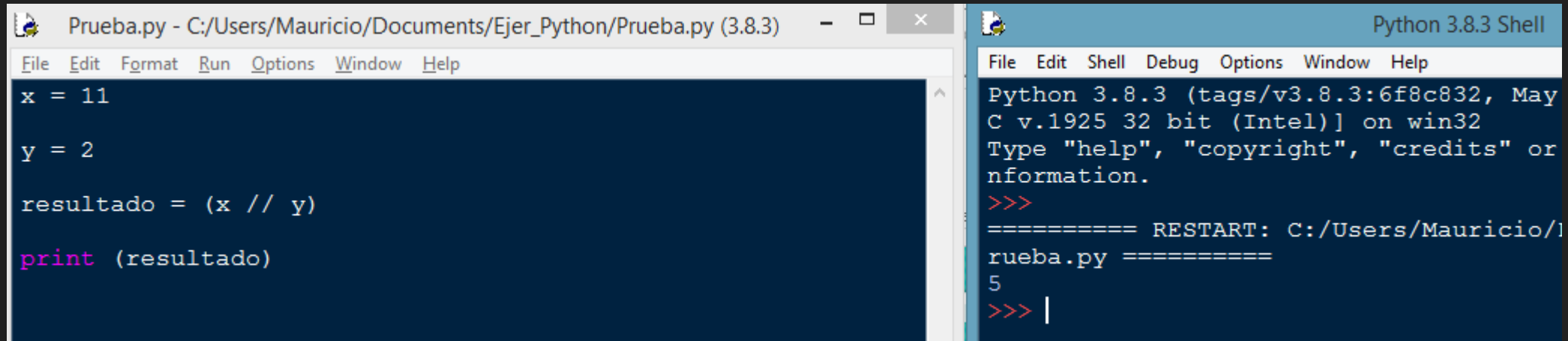
- La división de 11 entre dos no entrega un resultado de 5.5

- Pero podemos redondear el numero, Python redondea hacia abajo, en este caso podríamos mostrar en la pantalla un valor de 5 entero. Usando doble división



Operadores matemáticos y comentarios - Python

- División en Python



The image shows a screenshot of a Python IDE with two windows. The left window, titled 'Prueba.py - C:/Users/Mauricio/Documents/Ejer_Python/Prueba.py (3.8.3)', contains the following code:

```
x = 11
y = 2
resultado = (x // y)
print (resultado)
```

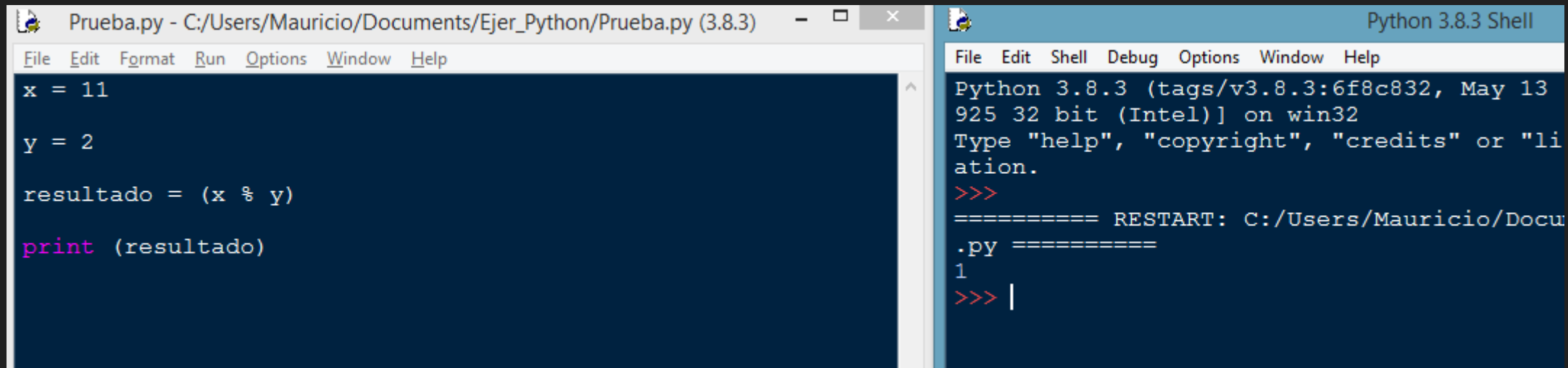
The right window, titled 'Python 3.8.3 Shell', shows the output of the script:

```
Python 3.8.3 (tags/v3.8.3:6f8c832, May
C v.1925 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or
nformation.
>>>
===== RESTART: C:/Users/Mauricio/1
rueba.py =====
5
>>> |
```



Operadores matemáticos y comentarios - Python

- Modulo en Python (%) el resto (división de residuo)



The image shows a screenshot of a Python IDE with two windows. The left window, titled 'Prueba.py - C:/Users/Mauricio/Documents/Ejer_Python/Prueba.py (3.8.3)', contains the following code:

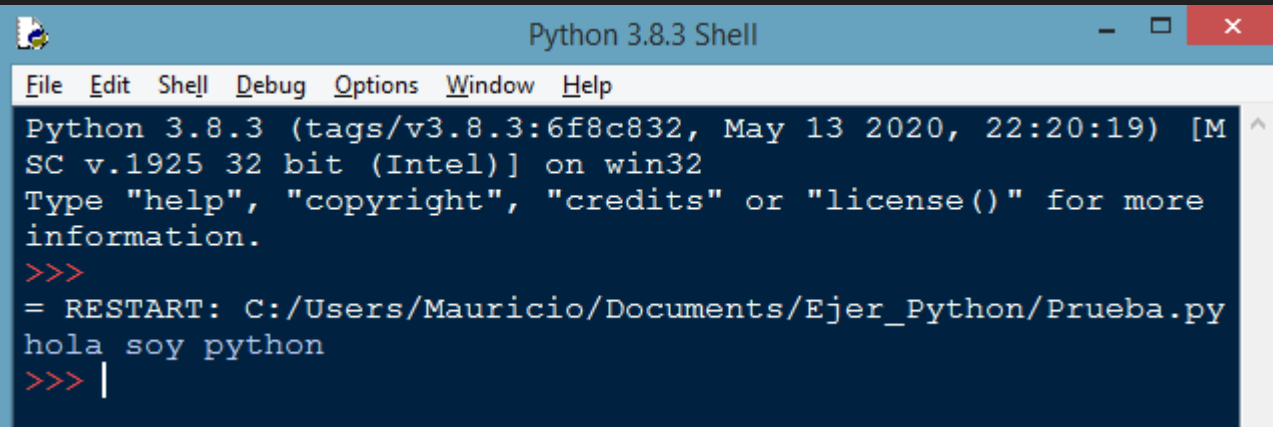
```
x = 11
y = 2
resultado = (x % y)
print (resultado)
```

The right window, titled 'Python 3.8.3 Shell', shows the output of running the script:

```
Python 3.8.3 (tags/v3.8.3:6f8c832, May 13
925 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "li
ation.
>>>
===== RESTART: C:/Users/Mauricio/Docu
.py =====
1
>>> |
```



Primera ejecución - Python



```
Python 3.8.3 Shell
File Edit Shell Debug Options Window Help
Python 3.8.3 (tags/v3.8.3:6f8c832, May 13 2020, 22:20:19) [MSC v.1925 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more
information.
>>>
= RESTART: C:/Users/Mauricio/Documents/Ejer_Python/Prueba.py
hola soy python
>>> |
```

- Debemos tener el resultado que vemos en la ventana



- Bienvenidos al mundo de Python!!!



Reto - Python

Intente mostrar en pantalla su nombre, su apellido

¿Como lo haría?

