



Somos un **ecosistema** de desarrolladores de software

Tipos de datos y variables



Números enteros

1, 2, 3, 4, 5

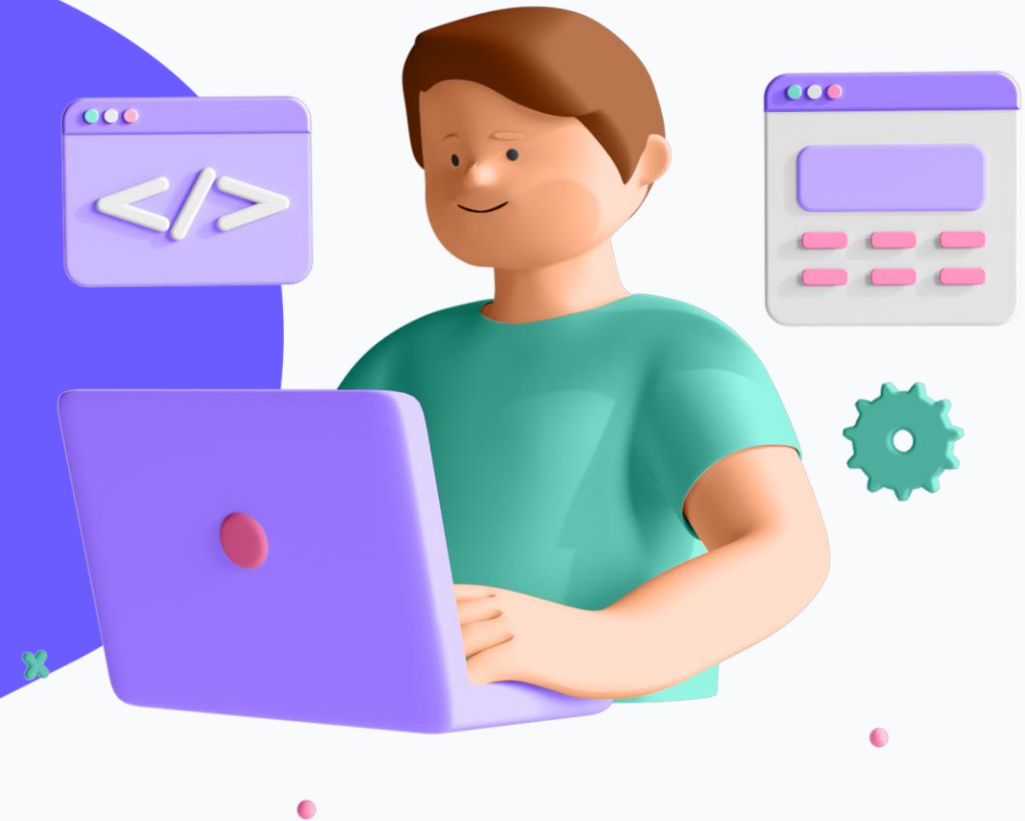
Números flotantes

1.2, 1.567, 5.34, -23.21

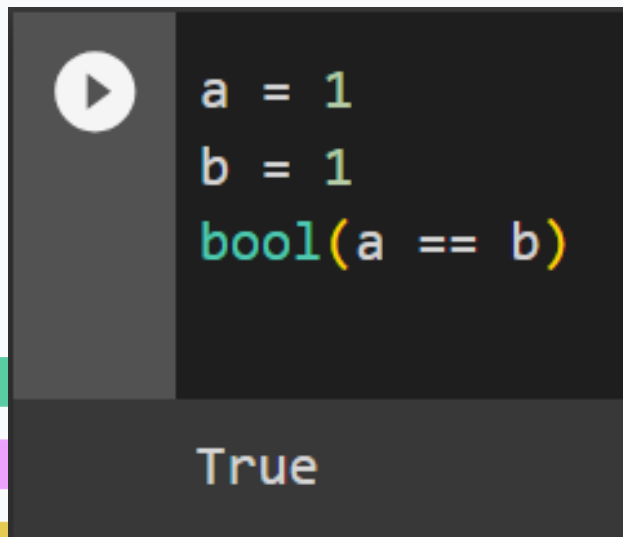


Cadena de strings o caracteres

```
"1234",  
"hola como estan todos",  
"!@#$%^&^$%h hola $#@$%@"
```



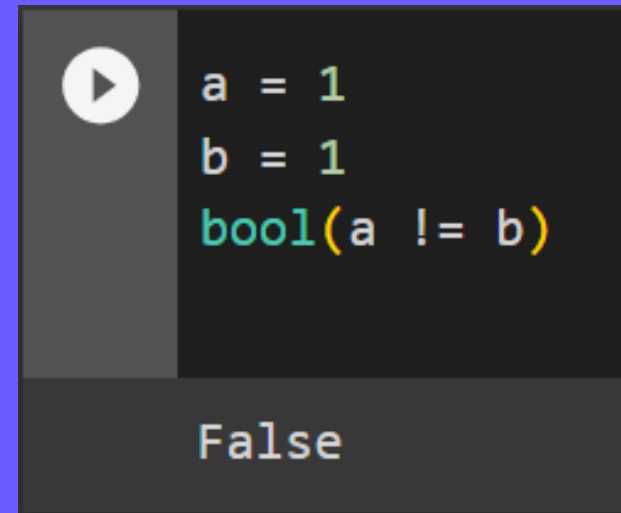
Booleans



```
▶ a = 1  
  b = 1  
  bool(a == b)
```

True

A code execution block with a dark background. It features a play button icon in a circle on the left. The code consists of three lines: 'a = 1', 'b = 1', and 'bool(a == b)'. The result 'True' is displayed below the code.



```
▶ a = 1  
  b = 1  
  bool(a != b)
```

False

A code execution block with a dark background. It features a play button icon in a circle on the left. The code consists of three lines: 'a = 1', 'b = 1', and 'bool(a != b)'. The result 'False' is displayed below the code.

Variables y asignación de valores

VARIABLE

OPERADOR

VALOR



The diagram illustrates the syntax for variable assignment. It features a central black rectangular box containing the code `name = 'brayan'` in green text. Above this box, three labels are positioned: 'VARIABLE' above 'name', 'OPERADOR' above '=', and 'VALOR' above ''brayan''. Three dark blue arrows point downwards from each label to its corresponding part of the code. The background is split diagonally from the top-left to the bottom-right, with a blue upper-left section and a white lower-right section. On the left side of the blue section, there are several horizontal bars in green, pink, yellow, and orange. On the right side of the white section, there are similar horizontal bars in green, pink, yellow, and orange.

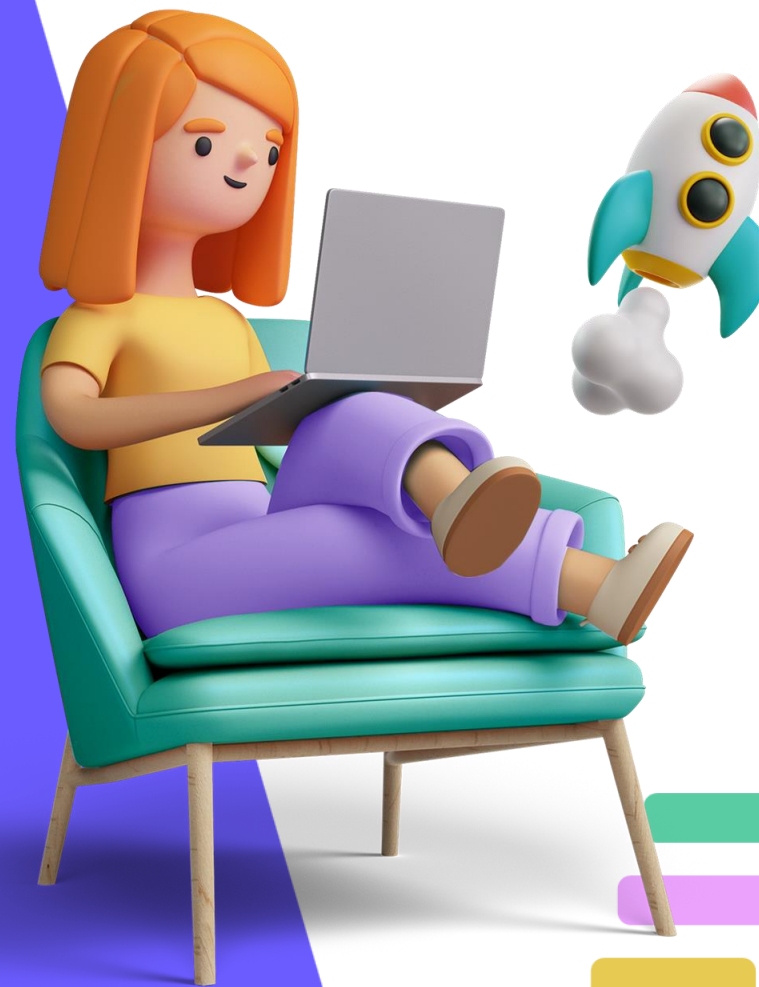
```
name = 'brayan'
```

Arreglos



```
pares = [2, 4, 6, 8,]  
print(pares[0])
```

2



Python identifica el tipo de variables



```
a = 50  
print(type(a))
```

```
b = 10.50  
print(type(b))
```

```
c = "Mi nombre es Angela"  
print(type(c))
```

```
d = (True)  
print(type(d))
```

```
<class 'int'>  
<class 'float'>  
<class 'str'>  
<class 'bool'>
```



</Be a
coder>