

```
In [3]: a = 4
        b = 5
```

Operators

Operator	Meaning	Syntax
-	Negation	-a
**	Exponentiation	a ** b
*	Multiplication	a * b
/	Division	a / b
//	Quotient	a // b
%	Remainder or modulus	a % b
+	Addition	a + b
-	Subtraction	a - b

```
In [10]: print("Sum:", a + b)
         print("Diff:", a - b)
```

```
Sum: 9
Diff: -1
```

```
In [1]: a, b = 14, 3
```

```
In [2]: print("Div:", a / b)
         print("Quot:", a // b)
         print("Remainder:", a % b)
```

```
Div: 4.666666666666667
Quot: 4
Remainder: 2
```

```
In [3]: print("Multiplication:", a * b)
         print("Exp:", a ** b)      # 14^3
```

```
Multiplication: 42
Exp: 2744
```

```
In [51]: print("?" * 4)
```

```
????
```

```
In [13]: print(" Hello World -" * 2)
```

```
Hello World - Hello World -
```

```
In [14]: print(" Hello World -" * 2)
print("close")
```

```
Hello World - Hello World -
close
```

```
In [16]: print(" Hello World -" * 2, end="")
print("\b")
```

```
Hello World - Hello World -
```

```
In [4]: print(" Hello World -" * 2, end="\b")
```

```
Hello World - Hello World -
```

Escape Sequence

Escape Sequence	Meaning
<code>\b</code>	Backspace
<code>\n</code>	Newline
<code>\t</code>	Horizontal tab
<code>\\</code>	The <code>\</code> character
<code>\'</code>	Single quotation mark
<code>\"</code>	Double quotation mark

```
In [17]: print("Hello\nWorld")
```

```
Hello
World
```

```
In [39]: print("Hello\tWorld")
```

```
Hello    World
```

```
In [5]: print("Hello-World")
```

```
Hello-World
```

```
In [6]: print("Hello-\bWorld")
```

```
Hello-World
```

```
In [25]: print("Hello \\b World")
```

```
Hello \b World
```

```
In [8]: print("Hello \" World")
```

```
Hello " World
```

```
In [26]: print('Hello " World')
```

```
Hello " World
```

```
In [44]: print(a + b)  
12
```

```
In [9]: a = 9
```

```
In [10]: a = a + 1  
print(a)  
10
```

augmented assignment operations

```
In [47]: a += 1    # a = a + 1  
print(a)  
11
```

```
In [1]: a = 22
```

```
In [2]: a -= 2    # a = a - 2  
print(a)  
20
```

```
In [12]: msg = "Hello World"  
print(msg)  
Hello World
```

```
In [49]: msg += " New"  # msg = msg + " New"  
print(msg)  
Hello World New
```

```
In [ ]:
```