

```
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

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Escape Sequence	Meaning
\b	Backspace
\n	Newline
\t	Horizontal tab
\\\	The \ character
\'	Single quotation mark
\"	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 [ ]:
```