Extended Arithmetic Operators in Python

Modulo (%)

Returns the remainder of a division.

Example: 10 % 3 → 1

Use Case: Check if a number is even or odd.

Floor Division (//)

Returns the whole number part of a division (ignores decimals).

Example: 10 // 3 → 3

Use Case: Count how many full items fit into a total.

Exponentiation (**)

Raises a number to a power.

Example: 2 ** 3 → 8

Use Case: Squaring, cubing, or powers.