**Day 7 - Python Operators**

**🔹 What are Operators?**

* **Operators** are special symbols used to perform operations on variables and values.
* Example: +, -, \*, / are **arithmetic operators**.

**🔸 Arithmetic Operators**

| **Operator** | **Name** | **Example** | **Output** |
| --- | --- | --- | --- |
| + | Addition | 15 + 7 | 22 |
| - | Subtraction | 15 - 7 | 8 |
| \* | Multiplication | 5 \* 7 | 35 |
| \*\* | Exponentiation | 5 \*\* 3 | 125 |
| / | Division | 5 / 3 | 1.666… |
| % | Modulus (Remainder) | 15 % 7 | 1 |
| // | Floor Division | 15 // 7 | 2 |

**🧪 Exercise – Simple Calculator**

n = 15

m = 7

ans1 = n + m

print("Addition of", n, "and", m, "is", ans1)

ans2 = n - m

print("Subtraction of", n, "and", m, "is", ans2)

ans3 = n \* m

print("Multiplication of", n, "and", m, "is", ans3)

ans4 = n / m

print("Division of", n, "and", m, "is", ans4)

ans5 = n % m

print("Modulus of", n, "and", m, "is", ans5)

ans6 = n // m

print("Floor Division of", n, "and", m, "is", ans6)

✅ **Expected Output:**

Addition of 15 and 7 is 22

Subtraction of 15 and 7 is 8

Multiplication of 15 and 7 is 105

Division of 15 and 7 is 2.142857142857143

Modulus of 15 and 7 is 1

Floor Division of 15 and 7 is 2

🧠 **Tip:** These operators will help you build calculators and solve math-related problems easily in Python.