DATA SCIENCE COURSE TUTORIAL # 14

Logical Operators

Logical operators are used to combine conditional statements and return a Boolean value (True or False).

- and → Returns True if **both** conditions are true.
- or → Returns True if at least one condition is true.
- not → Reverses the result. If a condition is True, not makes it False.

Examples:

```
# AND operator
x = 5
print(x > 3 and x < 10)  # True (both conditions are true)

# OR operator
print(x > 3 or x > 10)  # True (one condition is true)

# NOT operator
print(not(x > 3 and x < 10))  # False (because the result of (x > 3 and x < 10) is
True)</pre>
```