

Day-4 Date: 08/09/2025

⑤ Identify operators

'is' - Returns True if both variables refer to same object
'is not' - Returns True if both variables refer to different object

⑥ Membership operators

'in' - True if element exists
'not in' - True if element does not exist

Ex: I am a member of my family - in
I am not a member of my family - not in

→ Conditional statements: It allows us to make decisions in code. They check conditions (true or false) and execute different blocks of code accordingly.

→ Types of conditional statements:

1) If statement - execute a block only if the condition is true

> Syntax:

if (condition):

statements

2) if-else statement - provides two paths: if condition is true and another condition is false

> Syntax:

if (condition 1):

statement 1

else (condition 2):

statement 2

3) if-elif-else statement - multiple condition checked one by one

> Syntax:

if (condition 1):

statement 1

elif (condition 2):

statement 2

elif (condition3):

Statement 3

else:

Statement 4