

Day - 5

5/11/25

* Conditional Statements.

- are used to write the condition if condition passes it execute the result.

Types of Conditional Statement

1. if statement
2. if else statement
3. if elif else statement or if ladder
4. Nested if statement

1) If Statement: Run the block of code only if a condition is true

Syntax:

if (condition):

Statements.

Ex: $x = 10$

if $x > 5$:

print("x is greater than 5")

2) If else

• Runs one block if the condition is true, otherwise runs another code.

Syntax:

if (con):

Statements

else:

Statements

Ex: $x = 3$

if $x > 5$:

print("x is greater than 5")

else:

print("x is not greater than 5")

3) if - elif - else Statement

when there are multiple conditions.

Syntax:

if (Cond):

Statement 1

elif (Cond 2):

Statement 2

elif (Cond 3):

Statement 3

else:

default statement.

Ex:

$x = 0$

if $x > 0$:

Print (" + ")

elif $x == 0$:

Print (" 0 ")

else:

Print (" - ")

Day-6

7/11/25

④ nested if else: An if inside another if

Syntax:

if (Cond 1): # outer if

if (Cond 2): # inner if

Statement of inner if

else: # inner else

Statement

else: # outer else

Statement

Ex:

$x = 20$

if $x > 10$:

if $x < 30$:

Print (" x is b/w 10 & 30 ")