

## Skills

Day - 5

### \* Conditional Statement.

- 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 3")

## ③ if - elif - else Statement

when there are multiple conditions.

Syntax:

```
if (Cond):  
    Statements1  
elif (Cond2):  
    Statement2  
elif (Cond 3):  
    Statement3  
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 (Cond1): # outer if  
    if (Cond2): # 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 between 10 & 30")
```