

8th Sept



Date: _____

Types of Conditional Statements :-

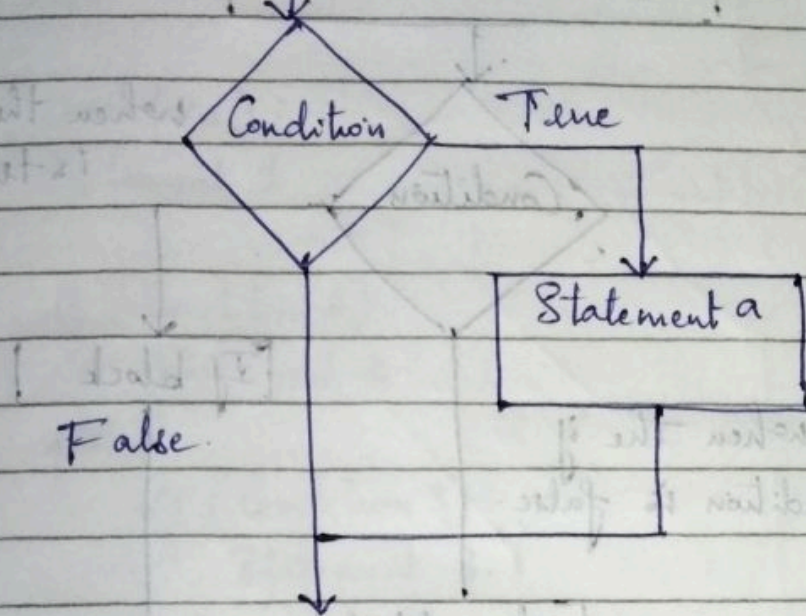
1. If Statement :-
Executes a block only if the condition is true.
2. if .. else statement :-
Provides two paths: one if condition is true, another if false.
3. if .. elif .. else ladder :-
Multiple conditions checked by one by one.
4. Nested if :-
Using one if inside another.

1. If statement :-

Syntax :-

if (condition):
 Statements

If statement



Ex:- $x = 10$

if ($x > 5$):

print ("x is greater than 5")

x is greater than 5

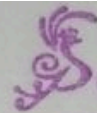
2. if.. else Statement

Syntax :-

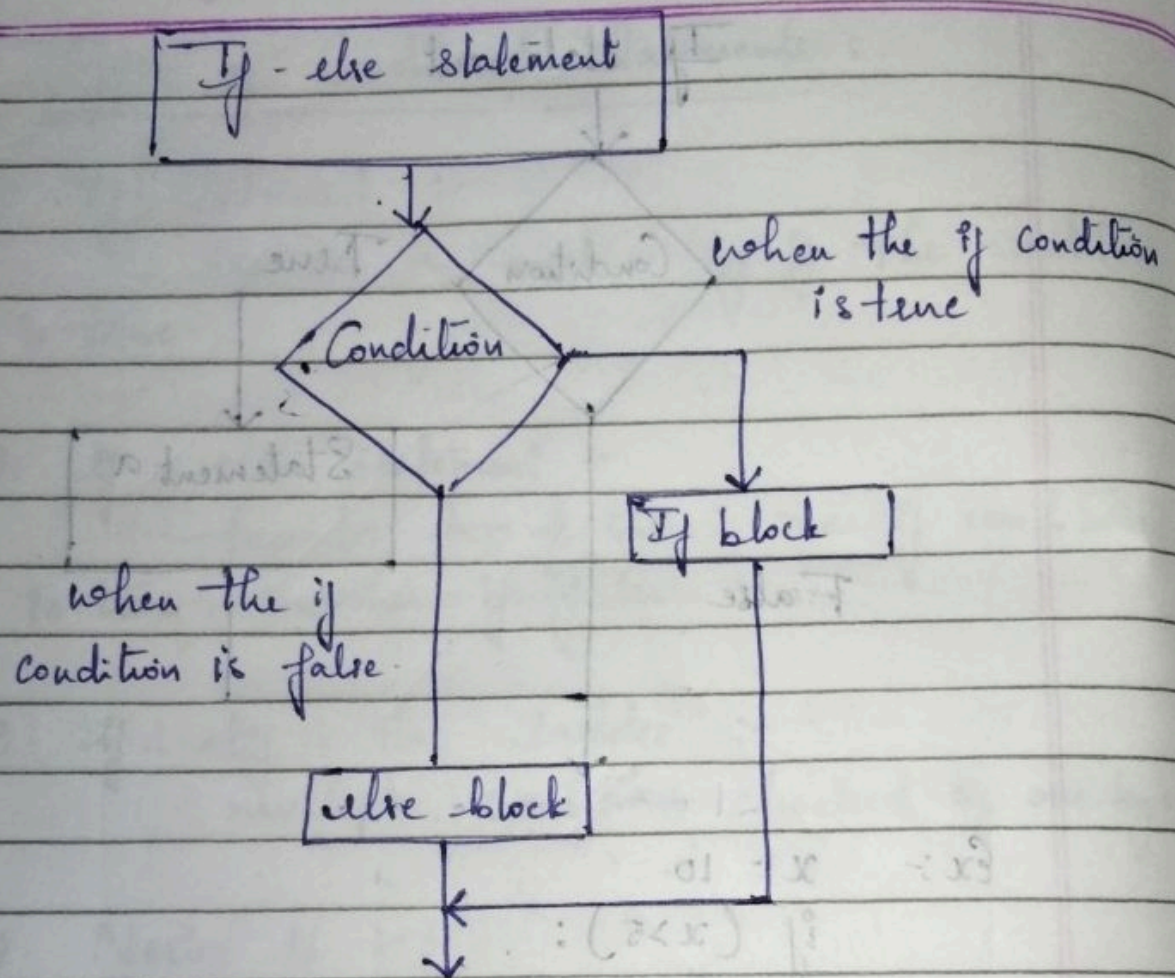
if (Condition):
 Statements

else

 Statements



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Ex: $x = 2$ $\text{if}(x > 5):$ $\text{print}("x \text{ is greater than } 5")$

else

 $\text{print}("x \text{ is not greater than } 5")$ $x \text{ is not greater than } 5.$



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3. if..elif..else ladder

Syntax

if (Condition) :
Statement 1

else

if (Condition 2) :
Statement 2

else

if (Condition 3) :
Statement 3.

else :

Statements

if (Condition) :

Statement 1

elif : (Condition 2) :
Statement 2

elif : (Condition 3) :
Statement 3

else :

Statements

