## Conditional Frenchion

To write useful programs, we almost need the ability to check the conditions and charge the behaviour accordingly. Conditional

Statements give us this ability

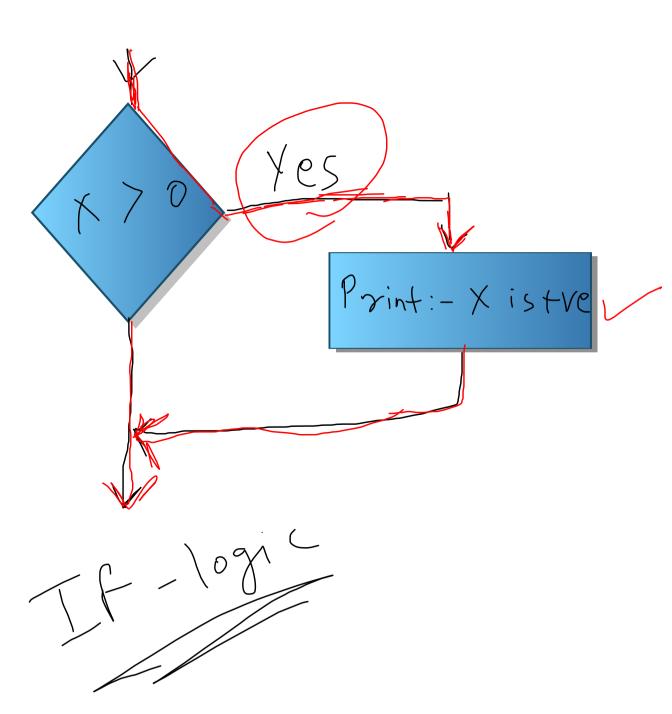
The simplest form is the if statement:

et x>0: Aprint ( x is positive ) Resourced (x > 0.

Print ( x is Positive)

The line(s) after the if-Statement are indented.

(4 SPACES)



- If logical condition-) True, indented statement gets executed. - If logical condition -> false, indented statement is skipped. - Statements like this are called compound Statements because they Streetch across more than one line - Pass Statement, does nothing!

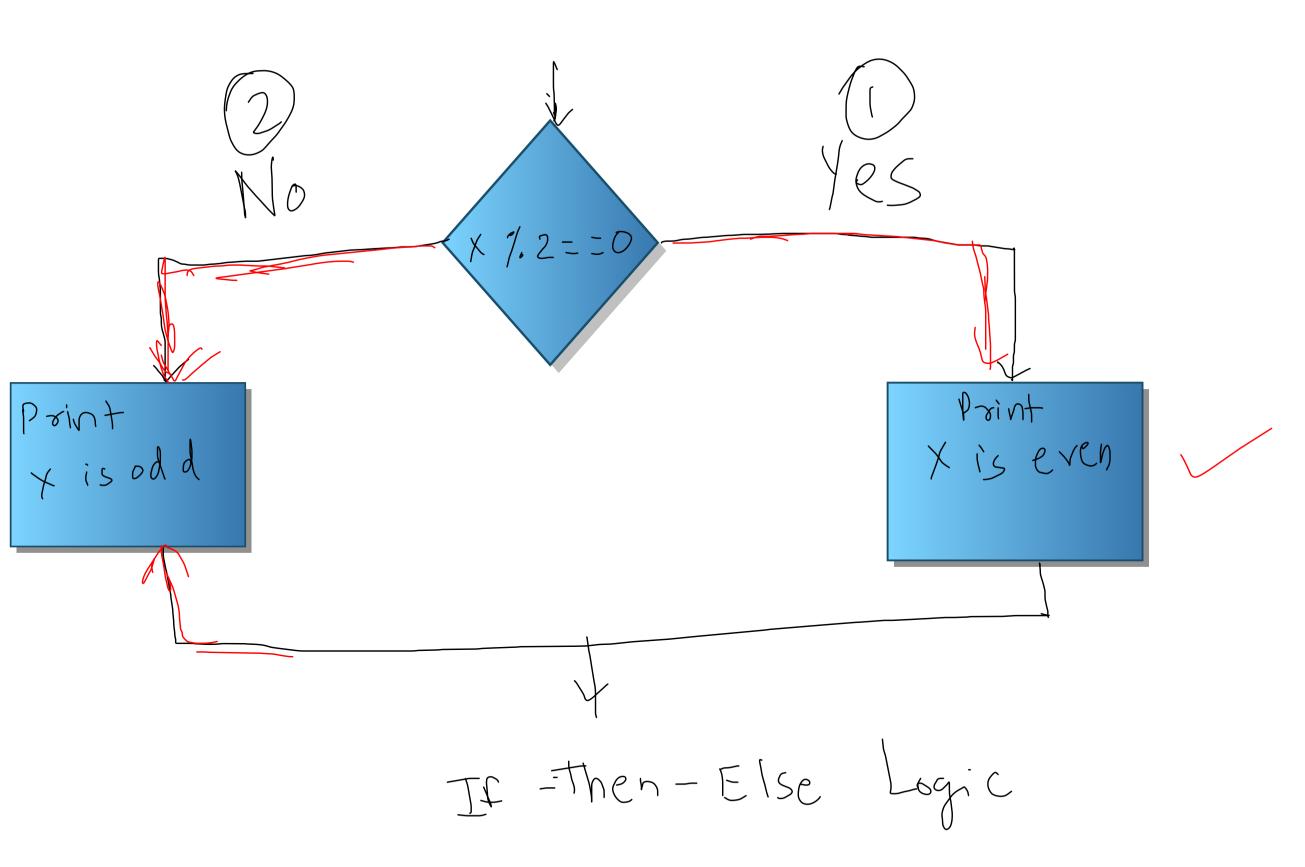
## Alternative Fxeution

-> There are two possibilities.

Condition determines which ones gets executed.

Remainder Tit x 0/02 = = D: T >> same print ('x is even)

Arint (1 x is odd)



- Since, the condition must either be true or false, exactly one of the alternatives will be exactly one of the alternatives will be executed.

- The afternatives are called branches, because they are branches in the flow of execution.