

• Used to combine 2 relational operations :-
(Check multiple conditions together)

& AND (When both are true) \Rightarrow true, else false.

| OR (Any one true) \Rightarrow true, else false.

! NOT (true \rightarrow False) and vice-versa.

AND:-

T	T	\rightarrow T
T	F	\rightarrow F
F	T	\rightarrow F
F	F	\rightarrow F

&&

OR:-

T	T	\rightarrow T
T	F	\rightarrow T
F	T	\rightarrow T
F	F	\rightarrow F

||

NOT:-

T	\rightarrow F
F	\rightarrow T

!

\Rightarrow short circuit

$(x > y \&\& a < b)$ $(x > y || a < b)$

if first
is false
it won't
even check for
second one.

if first
is true it won't even check the
second one.

(F) \leftarrow $s = !x \rightarrow$ (T)