→ JDK, JVM, JRE, IDE.

→ Syntax in Java
    Input & Output   11   10
                         10   11

→ Arithmetic operations
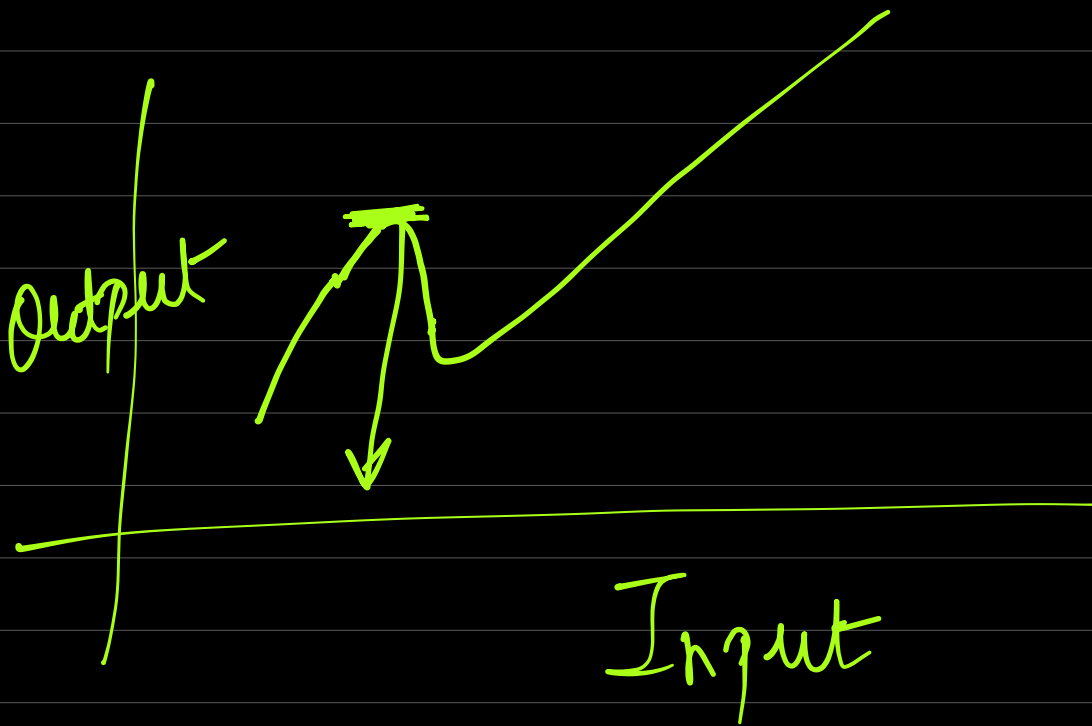   (+, -, *, /, %)

String literal

(newer)
Online challenge → variations

interviews → directly ask
                      commonly classic
                               problems

Small -scale

\# & (6 - 30) LPA

medium scale

→ Primary Focus (80 %)

∴ Rev → M&RN

→ Java

→ DSA , (20 %) Core → CN

→ OOP

OS PBMS

- → Arrays & Strings
- → Stack & Queue
- → Linked List
- → Hashmap & Heap
- → Dynamic Programming
- → Graphs
- → Trees
  - → Binary Tree
  - → BST

AND operator (& &)

$$age \geqslant 18$$

$$0(F) \quad 1(T)$$

$(F)0$ | F | F → student is adult but he is not getting 'o' grade

marks $\geqslant 92$

$(T)1$ | F | T

↓ Student is not adult but he is getting 'o' grade

→ student is adult AND he will get 'o' grade

OR operation (||)

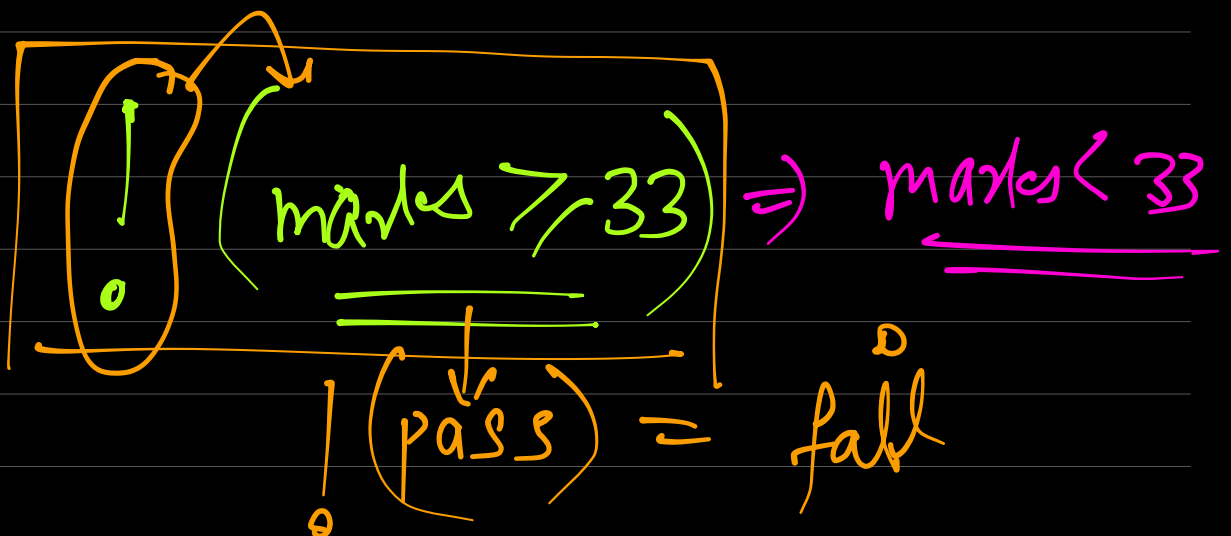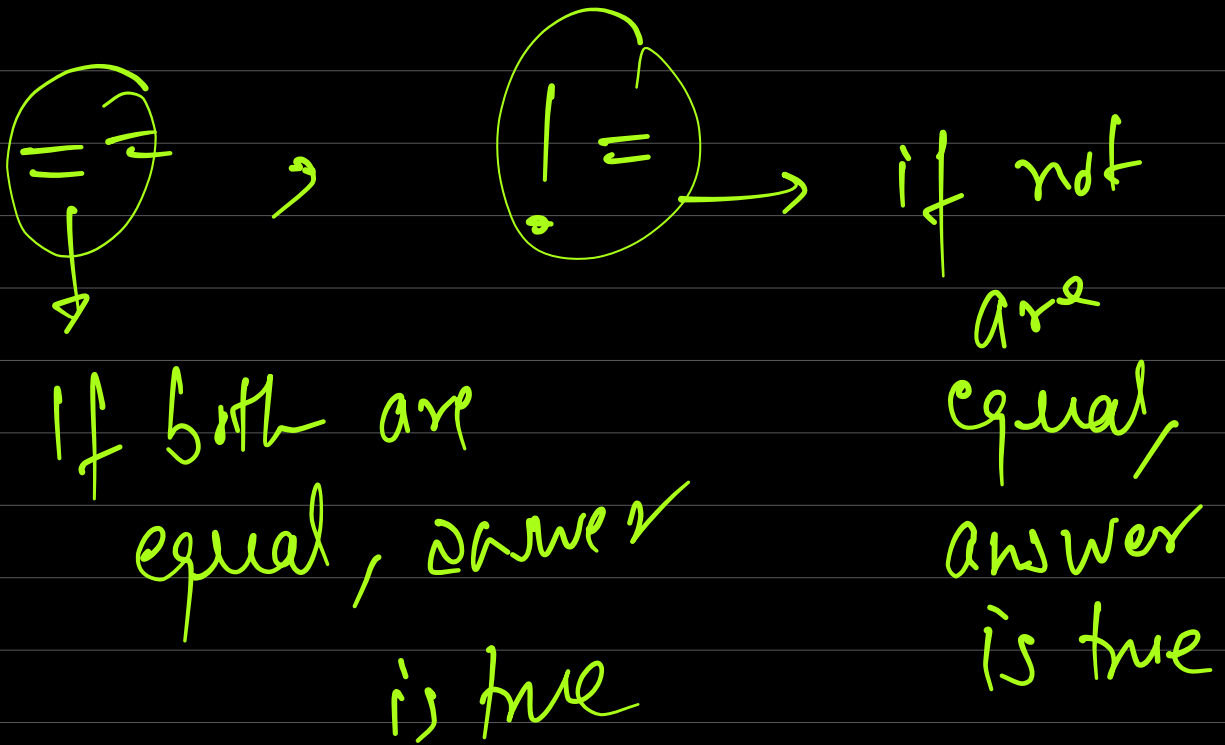|	0	1 (age ⩾ 18)
0	F	T
(marks ⩾ 92) 1	T	T

Answer will be true if any one of the condition

⇒ answer is true

Answer will be false if both

Conditions are false

== , != → if not
are
equal,
answer
is true

If both are
equal, answer
is true

(marks >= 33) => marks < 33

!(pass) = fail

$$! (\text{gender} == 'M')$$

$$(\text{gender} == 'F')$$

$$!\text{pass} = \text{fail}$$

$$!\text{fail} = \text{pass}$$

$$!\text{male} = \text{female}$$
$$!\text{female} = \text{male}$$

true | false |
false | true |

only one operand

truth table of not operator

break : 2-3 mints

1 Java, JavaScript

2 Development : → Java
→ MERN

3 DSA   4 Core

Conditional Statements

If Getting good marks

[then getting placed]

else [not getting placed]

If (age ≥ 18)

[drink alcohol]

else [drink milk]