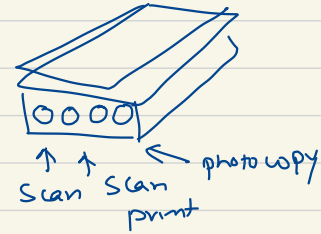
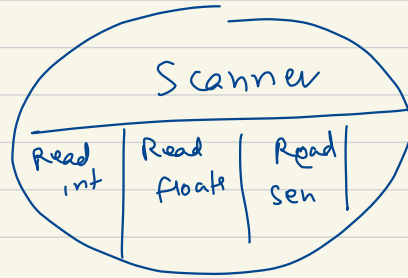


Quick Recap

① Scanner + Use it



ALWAYS

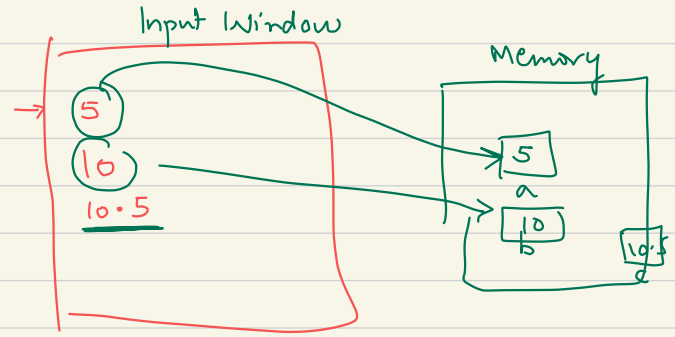
Scanner SC = new Scanner(System.IN);

↑
Keyboard
input

int a = sc.nextInt()

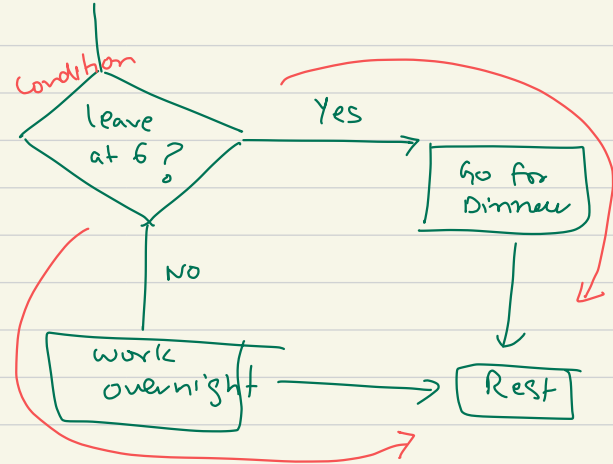
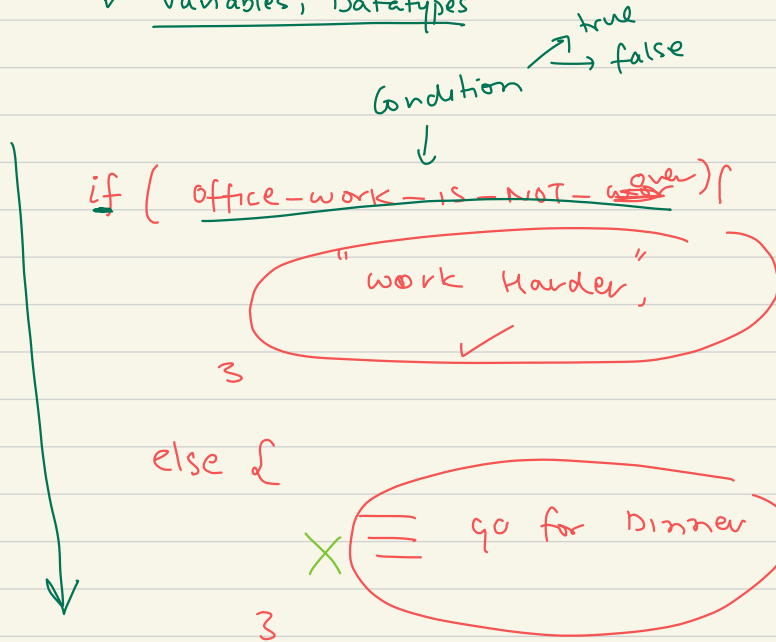
int b = sc.nextInt()

float c = sc.nextFloat()



Java Programming

✓ Variables, Datatypes



if

```
if  
|  
else
```

```
if  
if  
if  
if  
else
```

LIVE Assignment

1. Given A and B, find largest of A and B.
2. Given a number check if the number is EVEN.
3. Given a number check if it is divisible by 7.
4. Given a number check if the last digit is 4.

= Assignment

= = Equality

164

132

8 % 2 == 0

a = b ;
a = 10 , b = 10

```
int a = 5;  
int b = 10;
```

a == b

false

5 10
a b

$$\boxed{N \% 10}$$

NO ↓
↓

17①

$$17 \% 10 \rightarrow 7$$

% 10 gives us
the last
digit
of number

234①

$$234 \% 10 \rightarrow 4$$

69①

$$69 \% 10 \rightarrow 9$$

$$234 = \underline{23} \times \underline{10} + \underline{4}$$

↑
rem

$$\underline{\underline{132}} \rightarrow \underline{130} \quad \underline{13} \times \underline{10} + \underline{2}$$

↑

join multiple conditions

dinner date

pizza and garlic bread

if (order contain pizza and order contain
garlic bread)

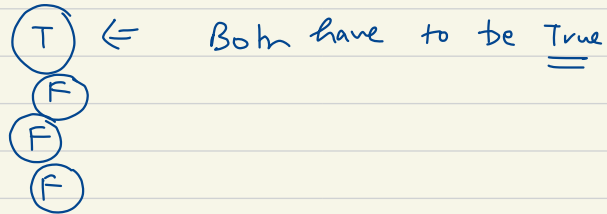


else {

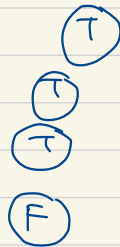


}

Cond 1	&&	Cond 2
T		T
F		T
T		F
F		F



Cond 1		Cond 2
T		T
T		F
F		T
F		F



! (true) → false

! (false) → true

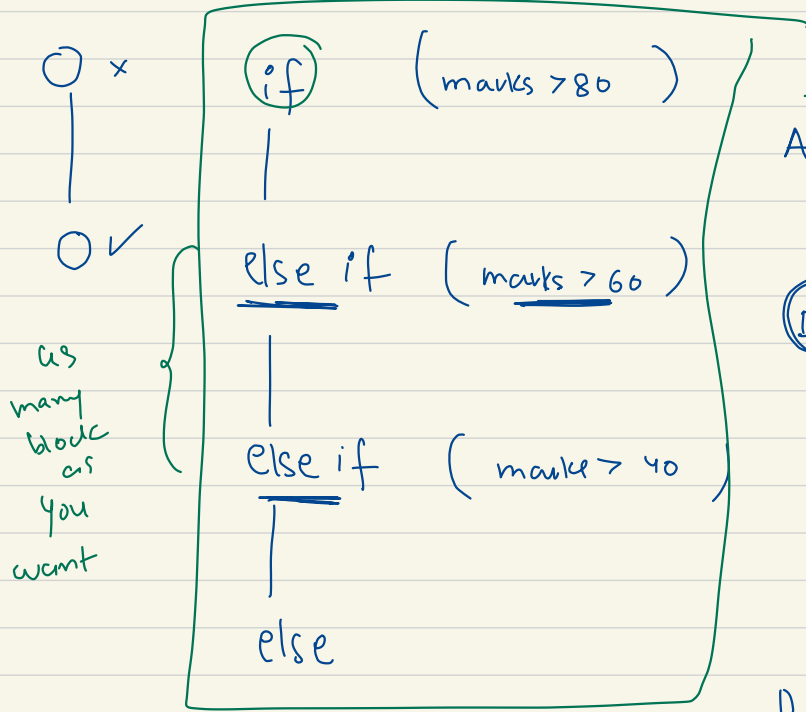
10 Min
break

10-36



90

100

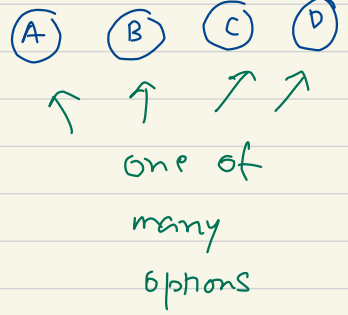


A → only one of them where the cond first become True

B

C

D



if (marks > 80)
A ✓

marks = 90

if (marks > 60)
B ✓

if (marks > 40) {
J C ✓

20 42 10
" " "
A B, C \Rightarrow largest of 3 no's
A

A

$A > B$ & $A > C$

\rightarrow (A)

B

C

[homework]

Electricity Bill

$$\begin{array}{c} \text{---} \overleftarrow{\text{---}} \\ 120 \\ \hline \end{array}$$

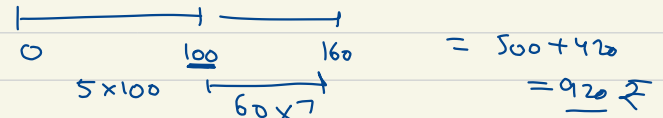
↓

Slabs
0 - 100
100 - 200
<u>200 - 300</u>
300 +

₹/cost
(5)
(7)
(10)
12

$$\begin{aligned} 70 \times 5 &= 350 \text{ ₹} \\ 100 \times 5 + 20 \times 7 &= 640 \text{ ₹} \end{aligned}$$

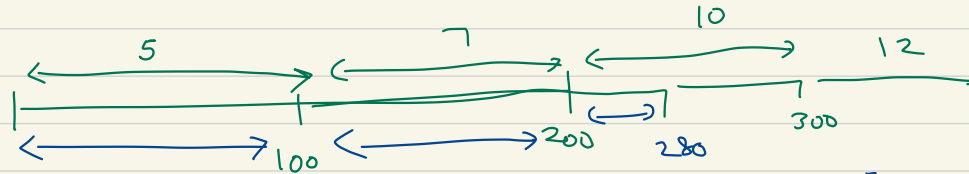
160 units



Consumption

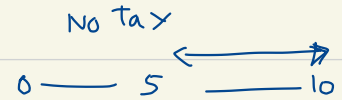
" " : 280

Bill : ??
00



$$100 \times 5 + 100 \times 7 + 10 \times 80$$

$$\begin{aligned} &= 500 + 700 + 800 \\ &= 2000 \text{ ₹} \end{aligned}$$



0 — 5 lac
 5 — 10 lac
 10 — 15 lac
 15 +

No Tax
10% Tax
 20% Tax
 30% Tax

8 lac

$$(8 - 5) \text{ 3 lac} \times 10\% \\ \approx \underline{30,000}$$

if

if - else

if - if - else

if - elseif - else

22

11

1
0

$$\frac{5}{1} + \frac{11}{1} + 3$$