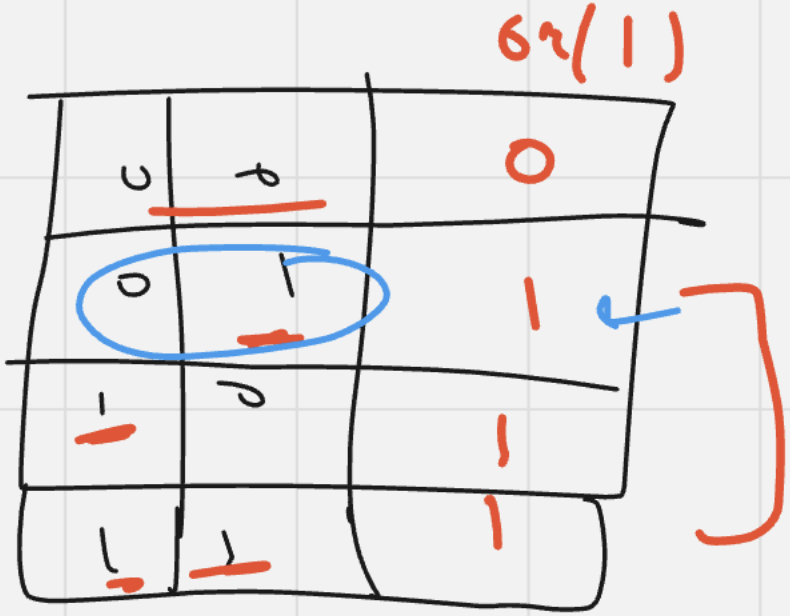
OR



$$\begin{array}{r} 1\ 0\ 1 \\ +\ 1\ 1\ 0 \\ \hline 1\ 1\ 1 \end{array}$$

← output

Cover few more Topic

After
- Solve Some Problem

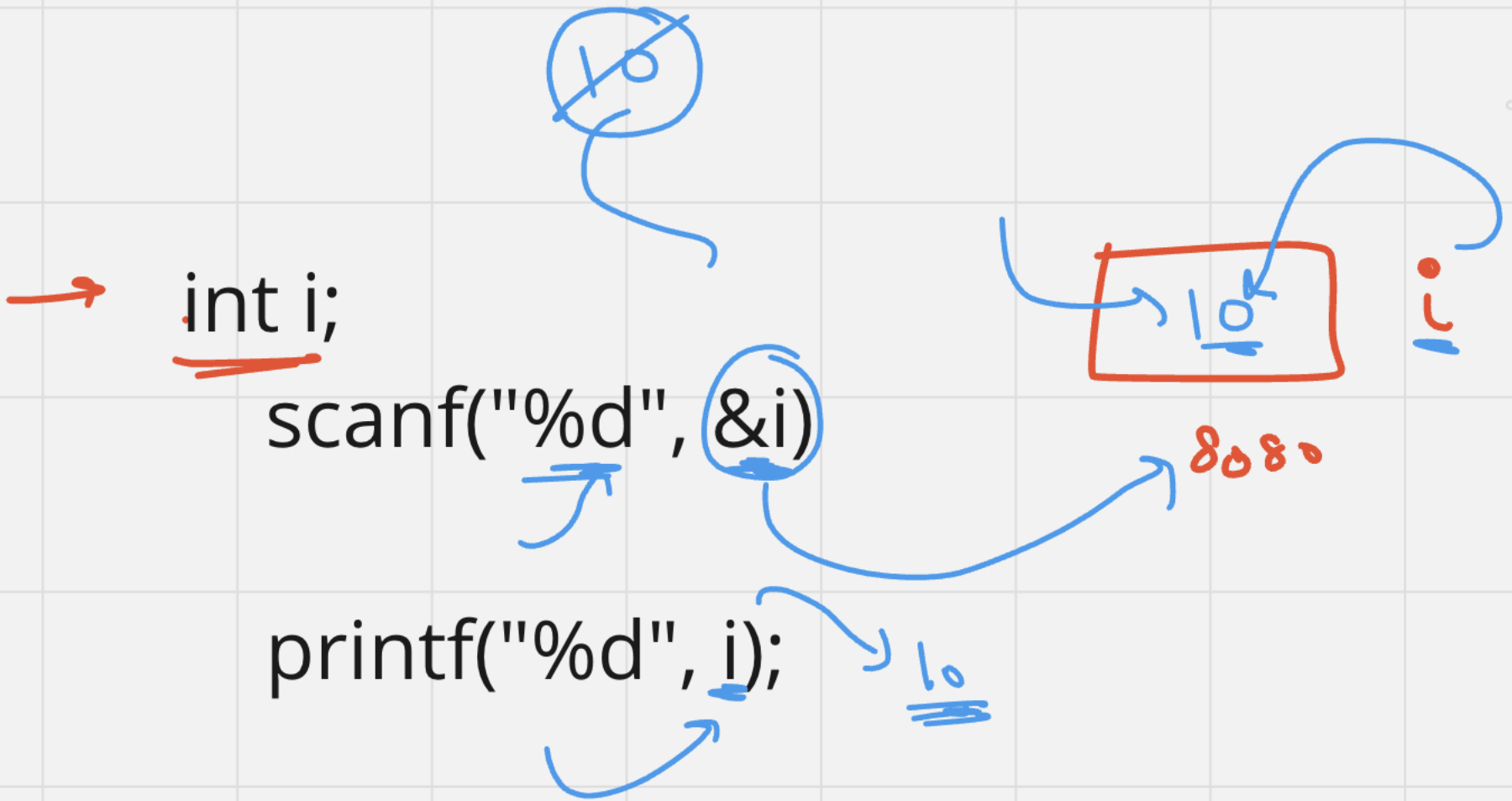
---

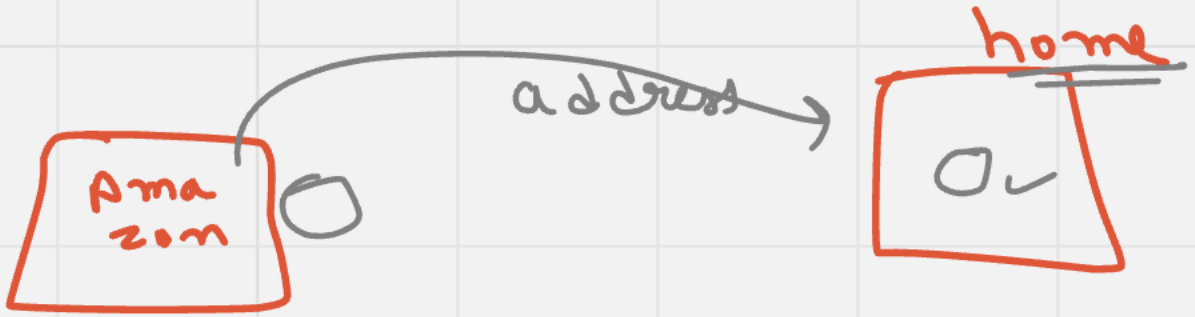
how to take input from user

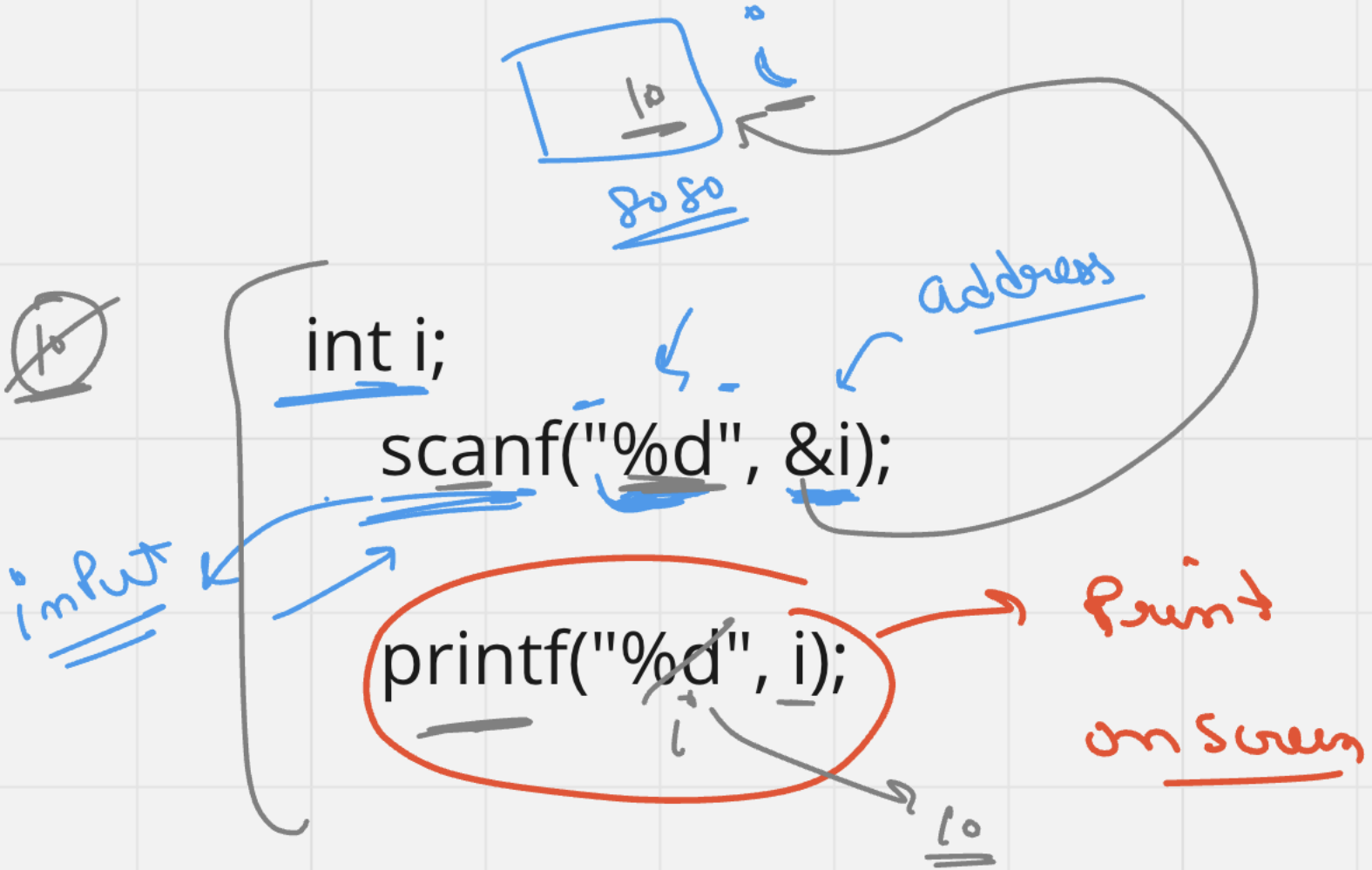
- scanf
- Output
- Printf

Int float long double char

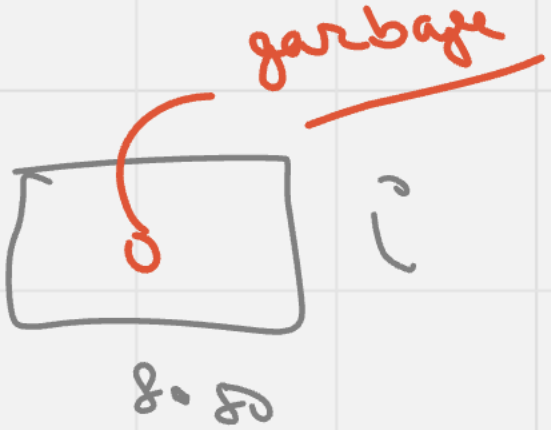
int %d




address
home
Ama
zon


10
8080
int i;
scanf("%d", &i);
address
input
printf("%d", i);
Print
on Screen
10

int i



float %f

long %ld

* string %s ✓

two int

S lo

Simple Interest

Private

$$S.I = \frac{P \times R \times T}{100}$$

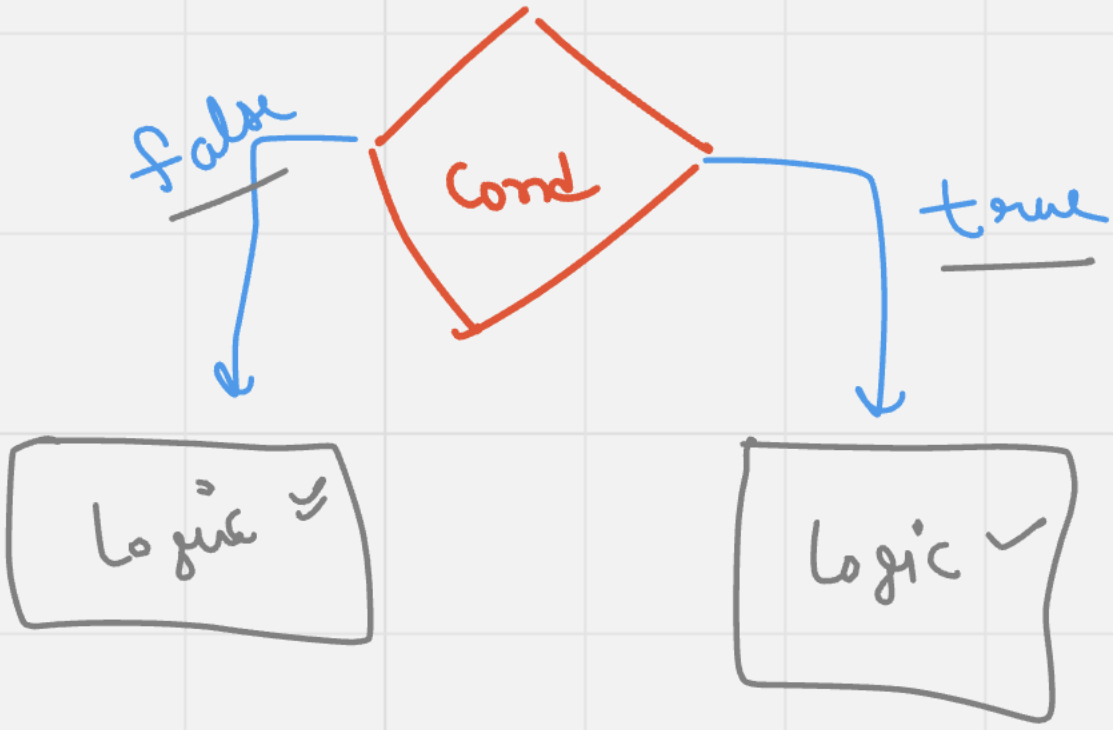
Take input from user

P → 100 R = 2% T = 2 year

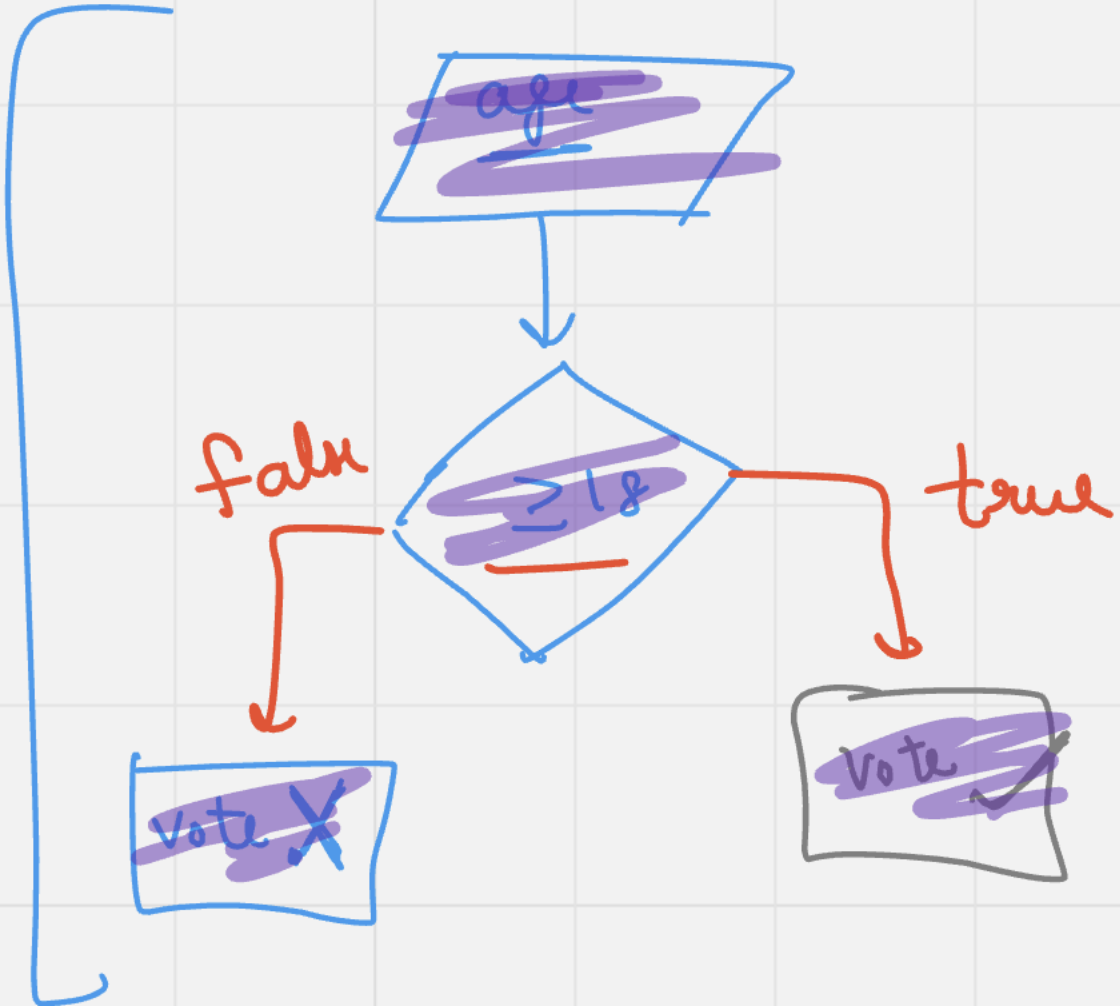
SI

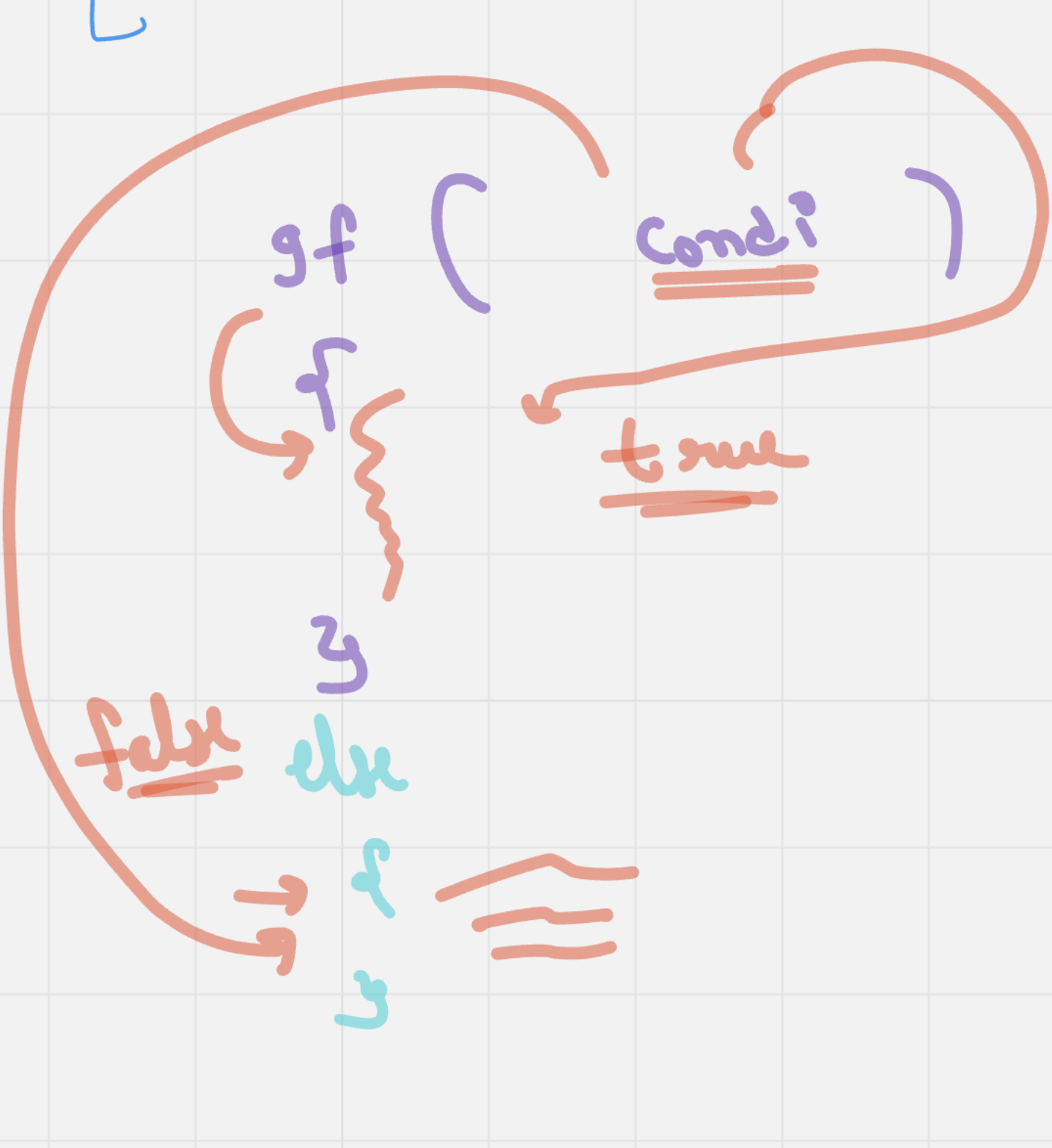
Conditional Statements

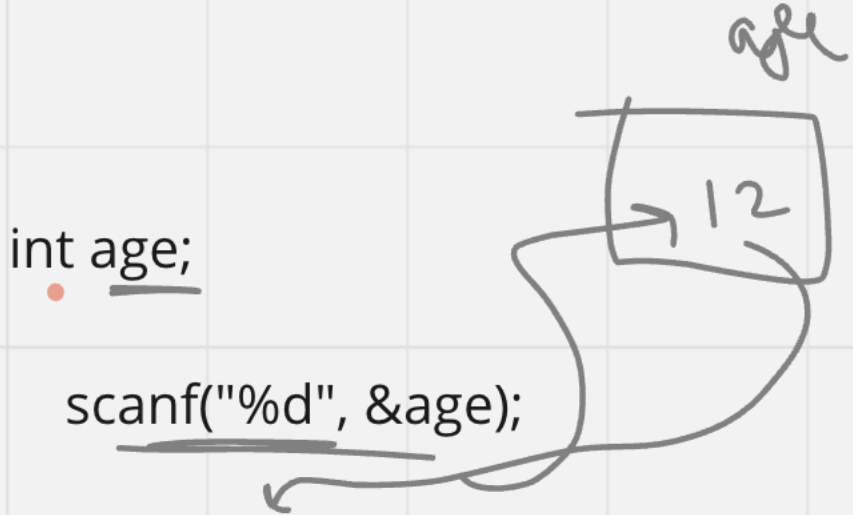
if else



P1 If Age of a person is ≥ 18 eligible for vote




gf
condi
true
fdx
dx



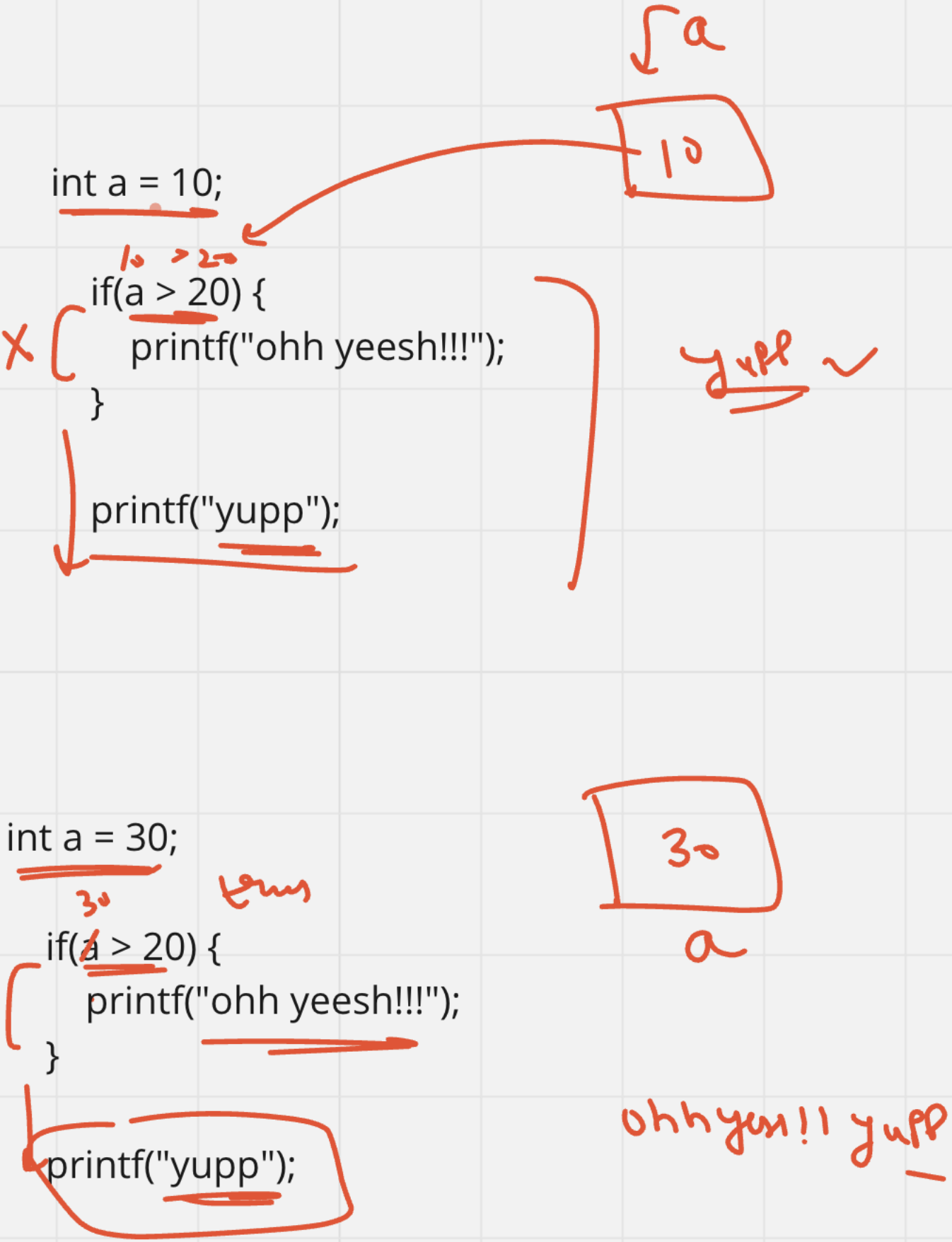

```
int age;

scanf("%d", &age);

if(age >= 18) {
    printf("eligible");
}
else
{
    printf("Not eligible");
}
```

true

false

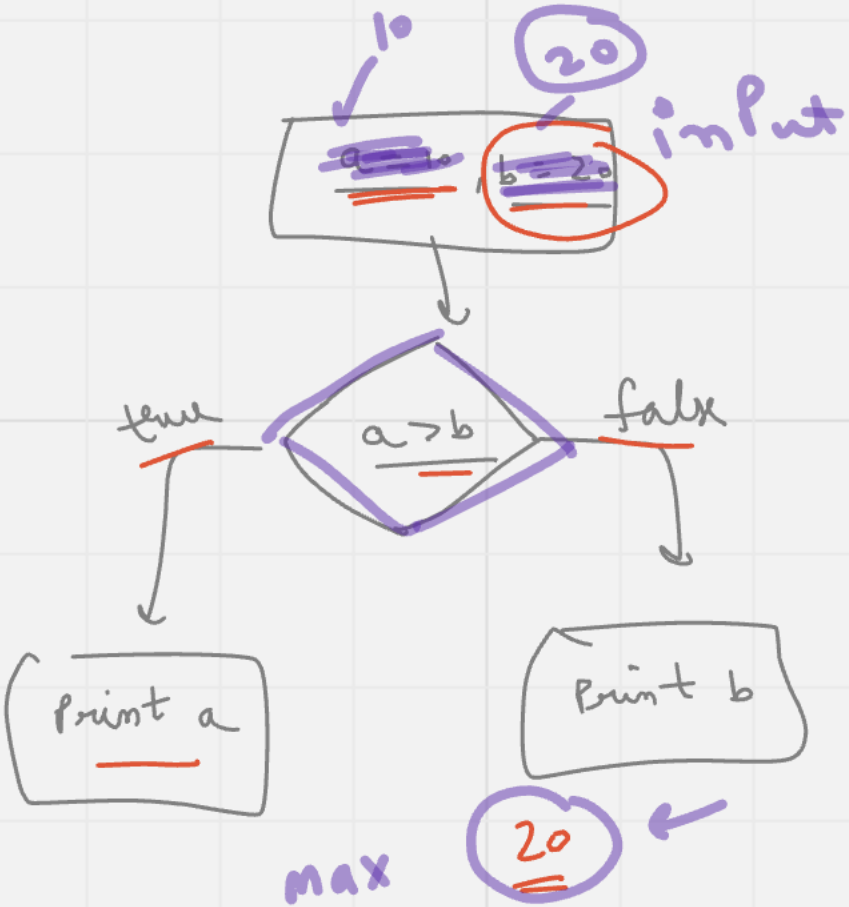

a
10
int a = 10;
if(a > 20) {
printf("ohh yeesh!!!");
}
printf("yupp");
yupp
int a = 30;
30
if(a > 20) {
printf("ohh yeesh!!!");
}
printf("yupp");
30
a
ohh yes!! yupp

o

P1 a = 10 b = 20

Print maximum value

int



* Nested if else

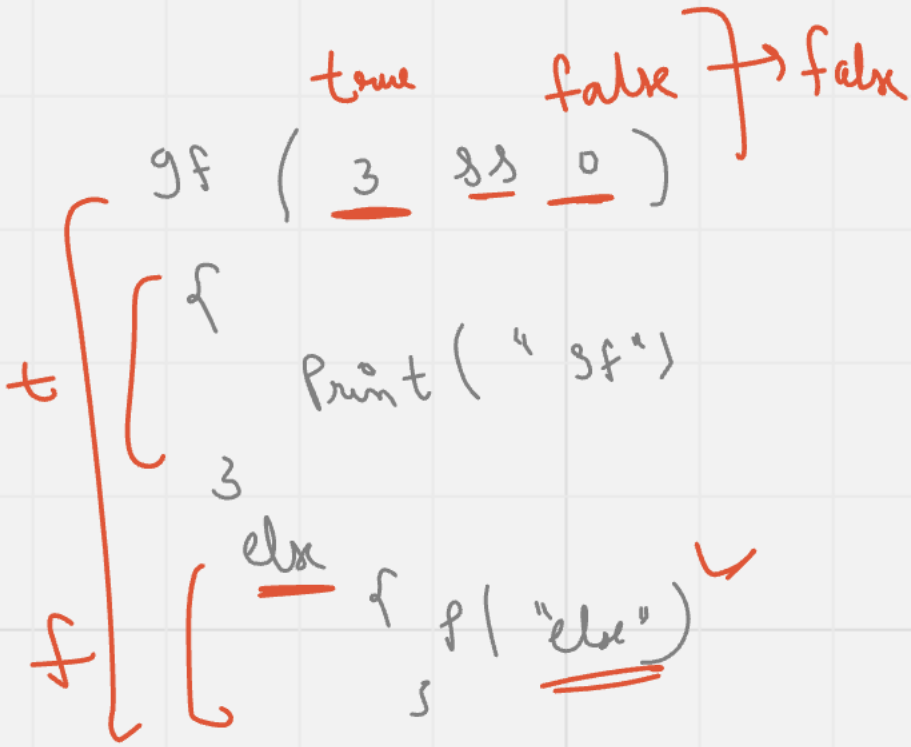
Max a=10 b=30 c=20

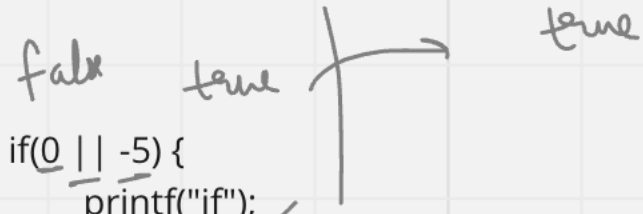
II Logical operators

- and (&&) or (||)
- not (!)

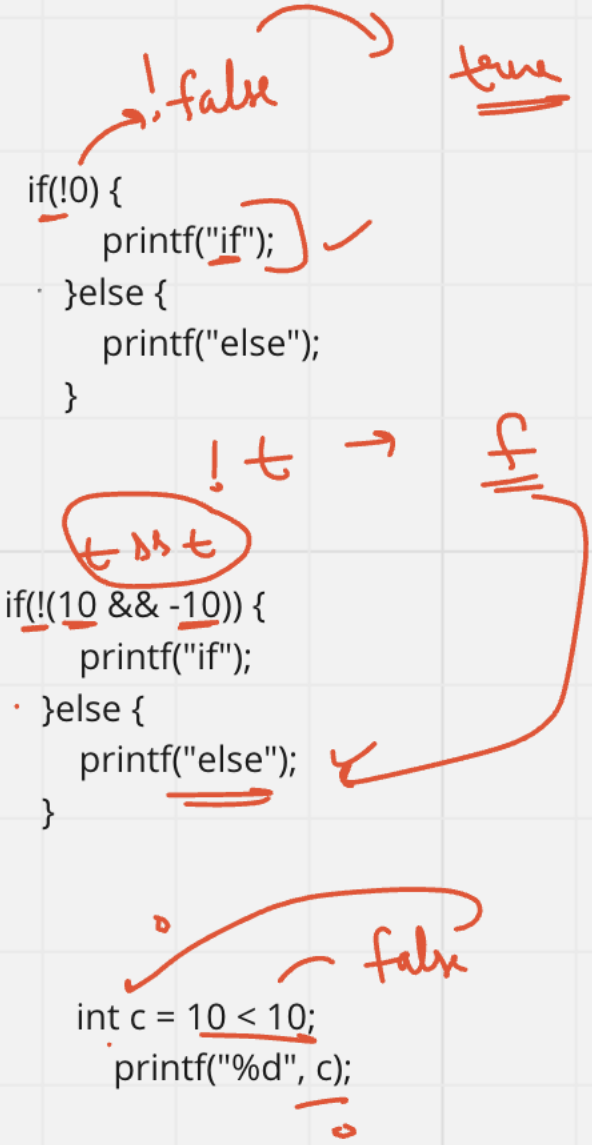
* Note :

- 0 → false
- +ve, -ve → true



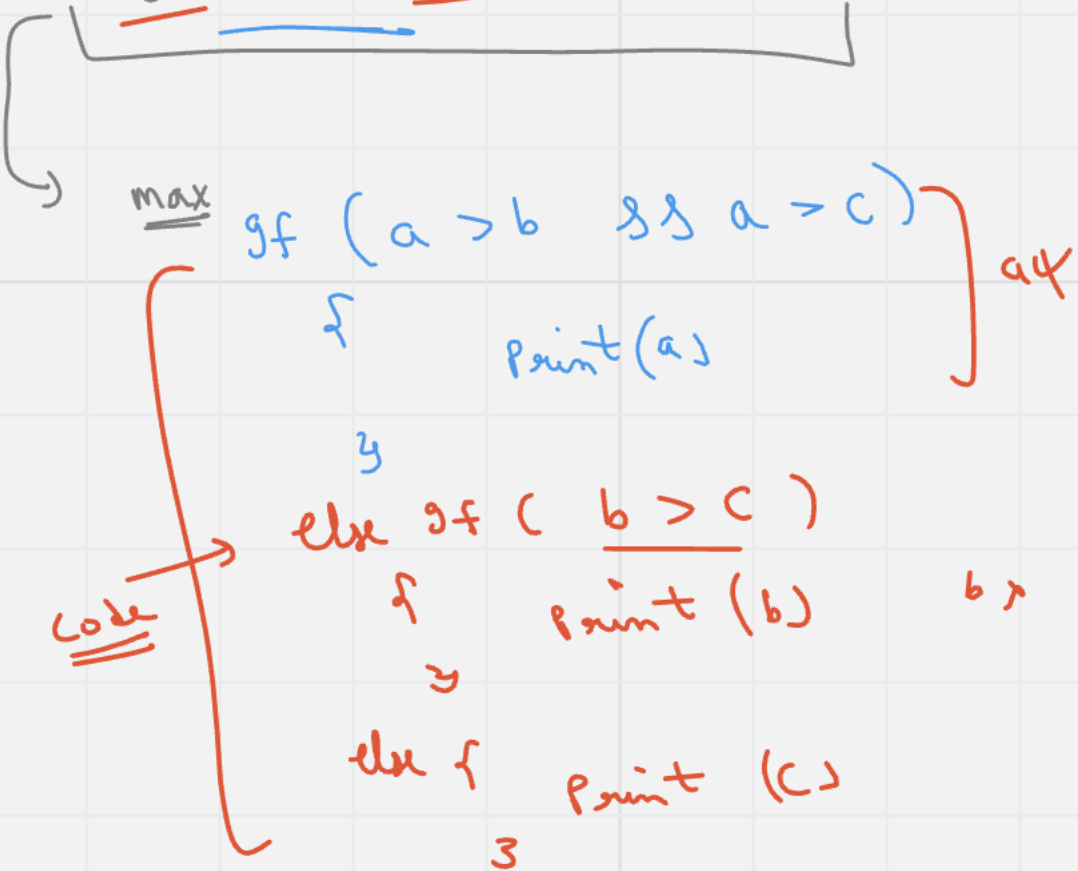



```
if(0 || -5) {
    printf("if");
}else {
    printf("else");
}
```


!false
true
if(!0) {
printf("if");
}else {
printf("else");
}
!t → f
t && t
if(!(10 && -10)) {
printf("if");
}else {
printf("else");
}
0
false
int c = 10 < 10;
printf("%d", c);
0

Nested if else

a = 10 b = 20 c = 15



P2 Check weather a num is div. by 5 and 11 both

n → 50 → No

50 / 5 → 10 ✓

50 / 11 → X

n = 55 → yes ✓

55 / 5 → 11 yes

55 / 11 → 5 yes

num = 50

Rev

Logic → && || !

and or not

truth table

0 → false

+ve → true

-ve

Note

true

if (b)

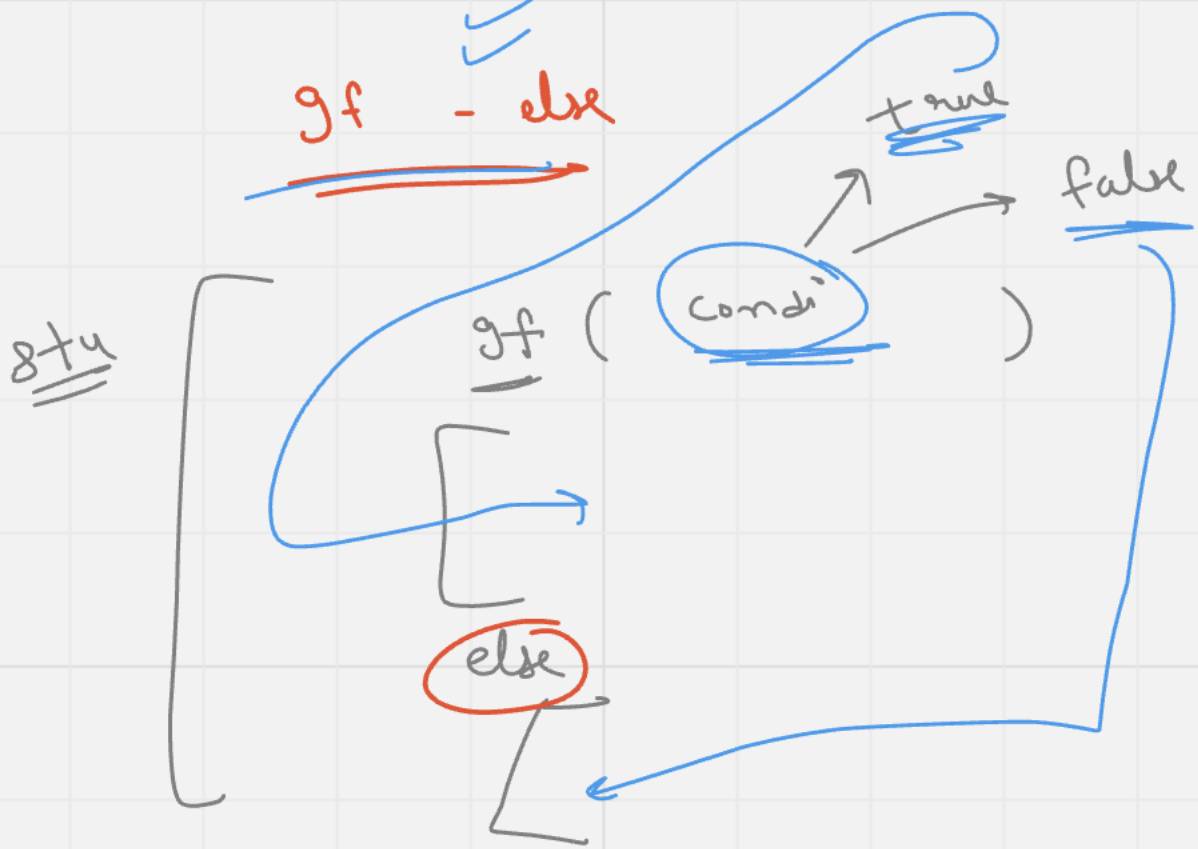
{ ✓ }

else

{ }

false → 0

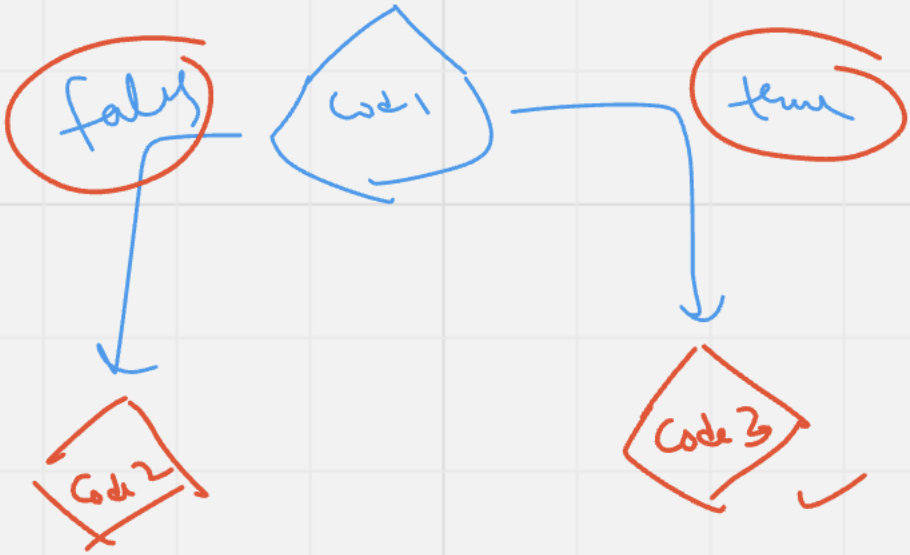
true → 1

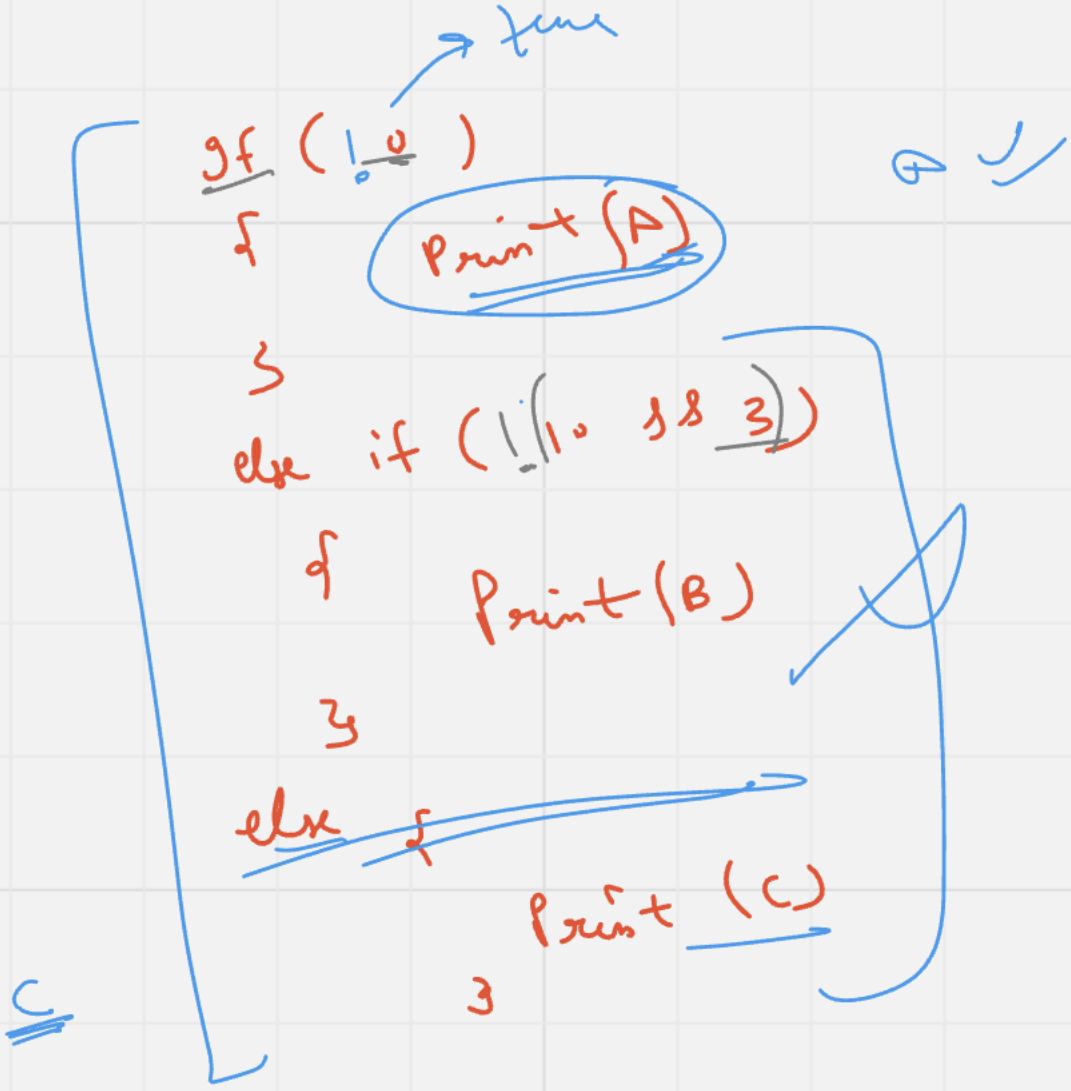


gf (cond)

↘ [

Nested if else




if (10)
Print (A)
else if (10 && 3)
Print (B)
else
Print (C)