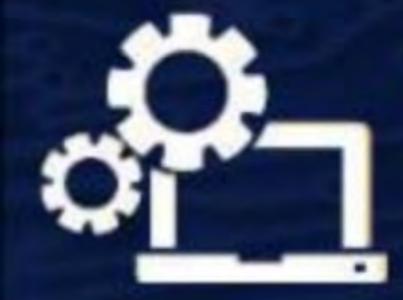
CS & IT ENGINEERING





Introduction to C Programming

Lecture No.2



Pankaj Sir





printf() function

scanf() function

Data Types



Variable

Container



Lunch box:

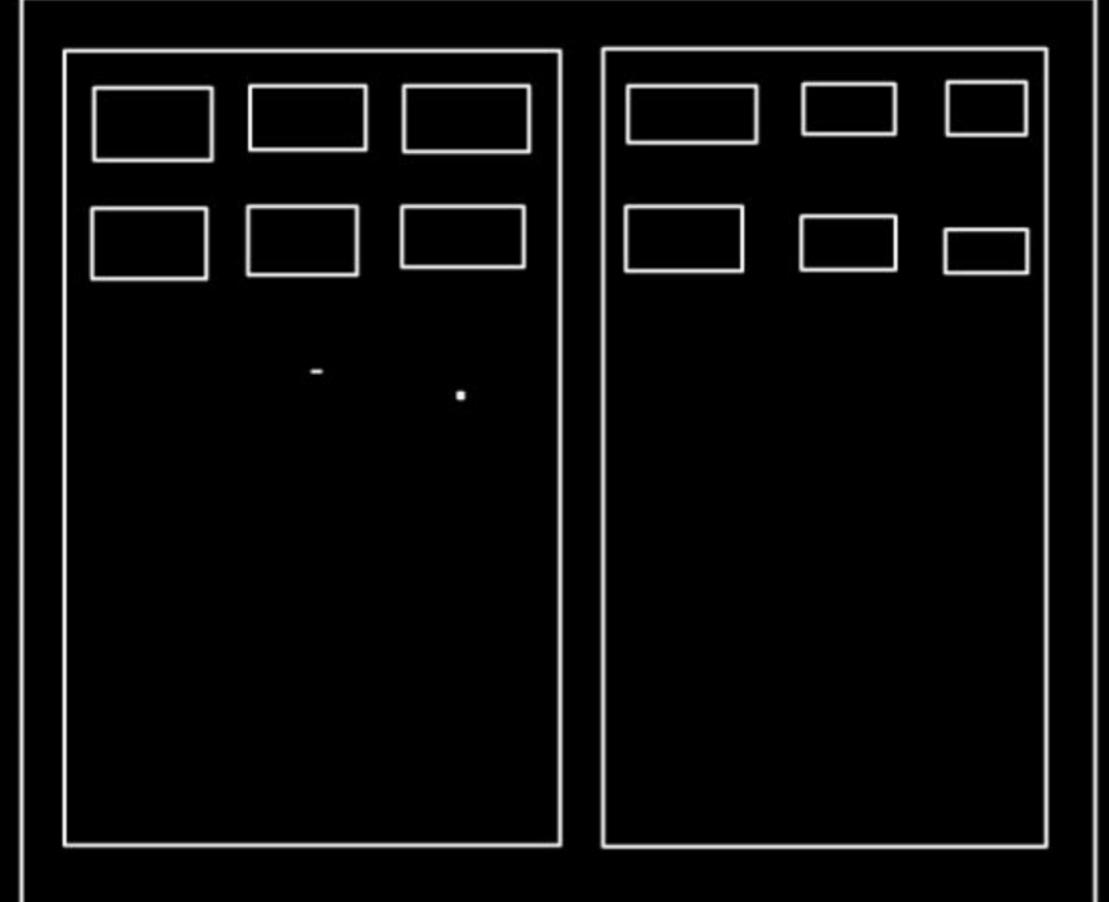
data/value

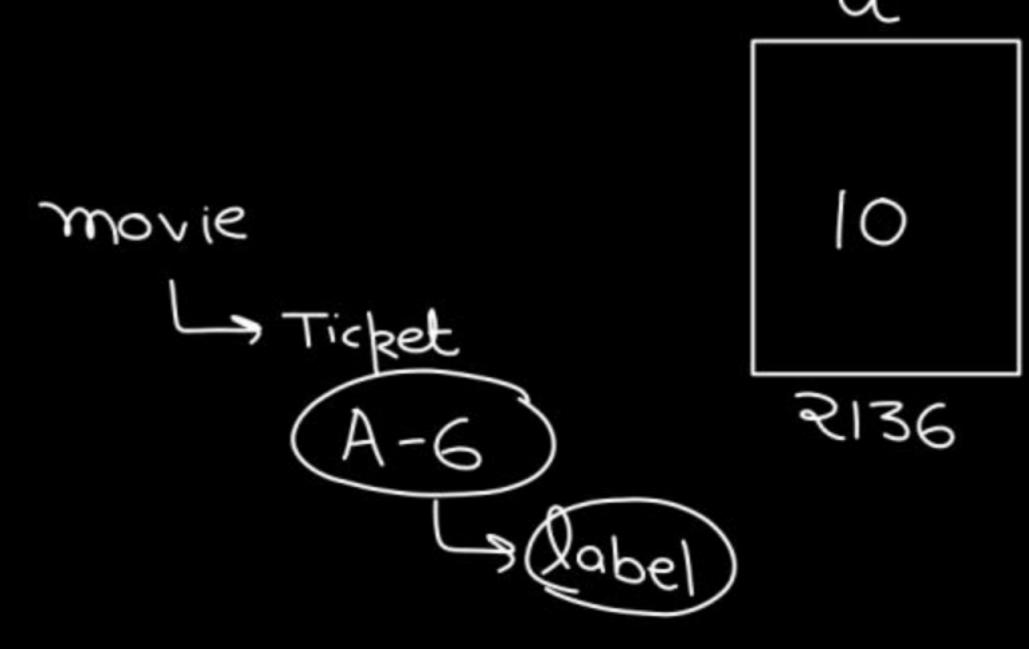
10 store

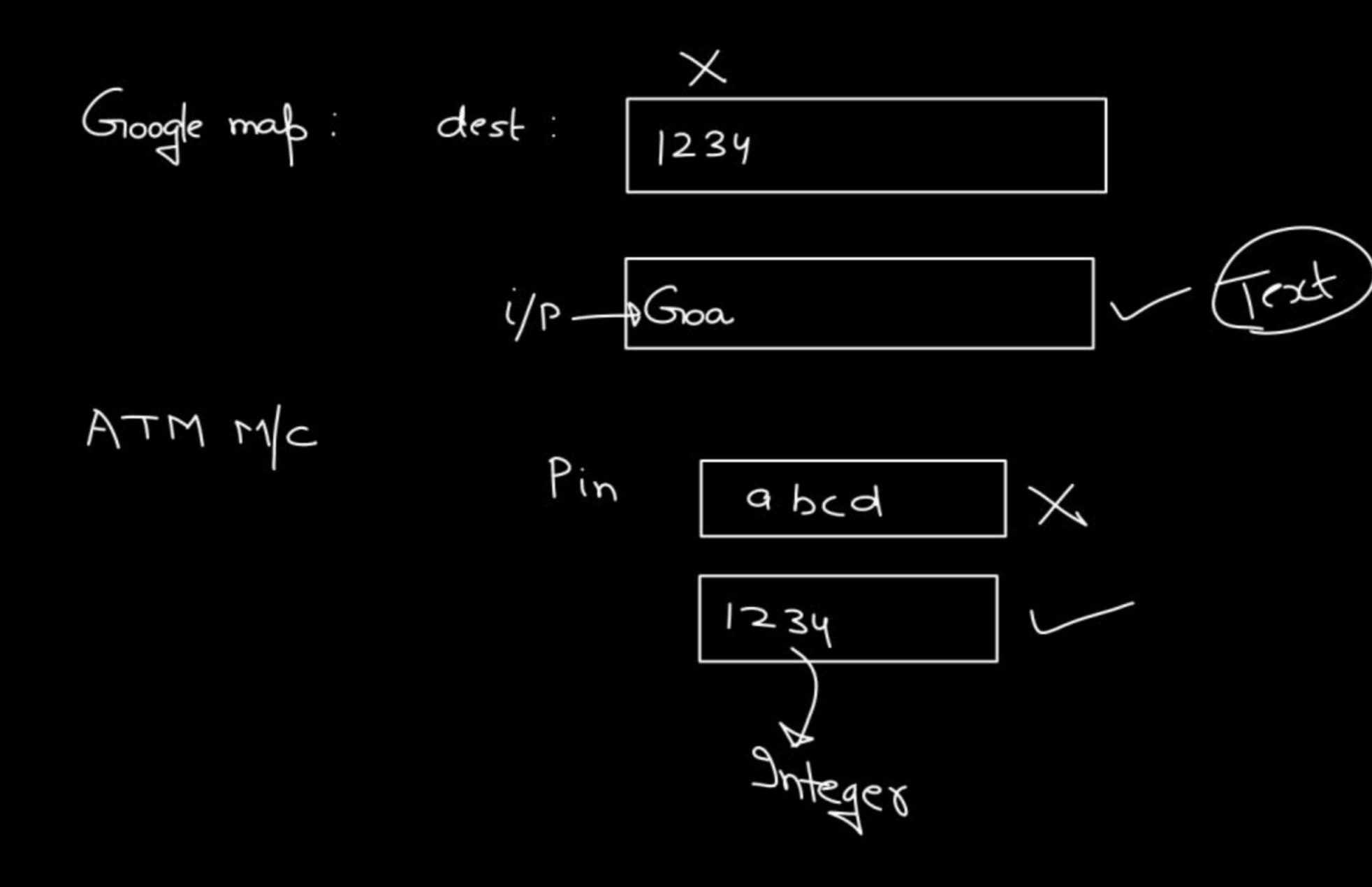
retrieve

04 04

1026		1.6
		3 Identifies
	2016	
	1 -	
	10	







data

Numeric

whole number

12,14,1234,

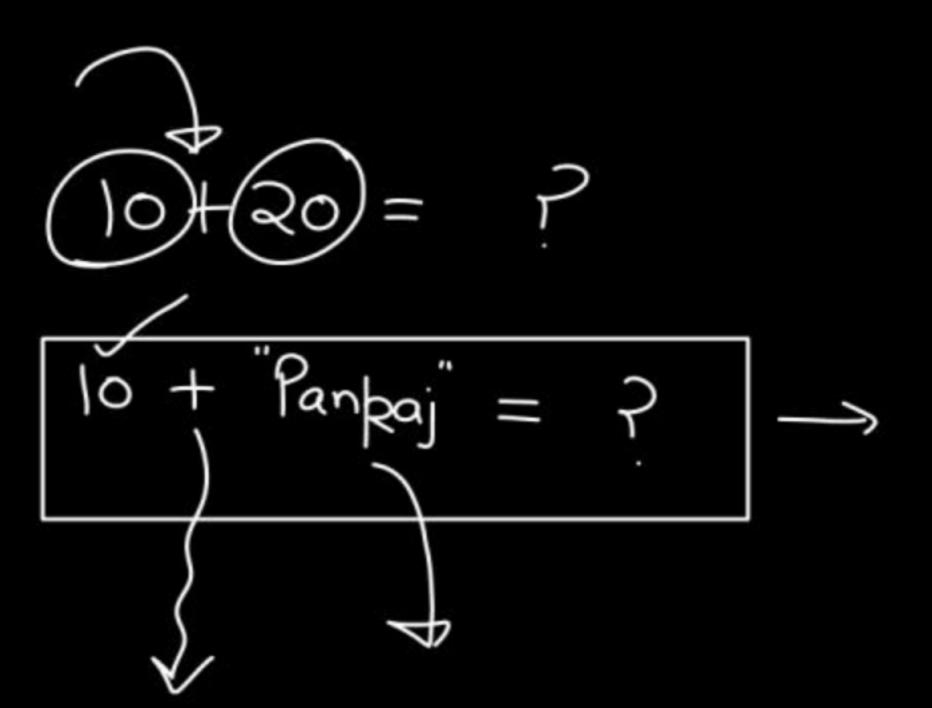
-1698

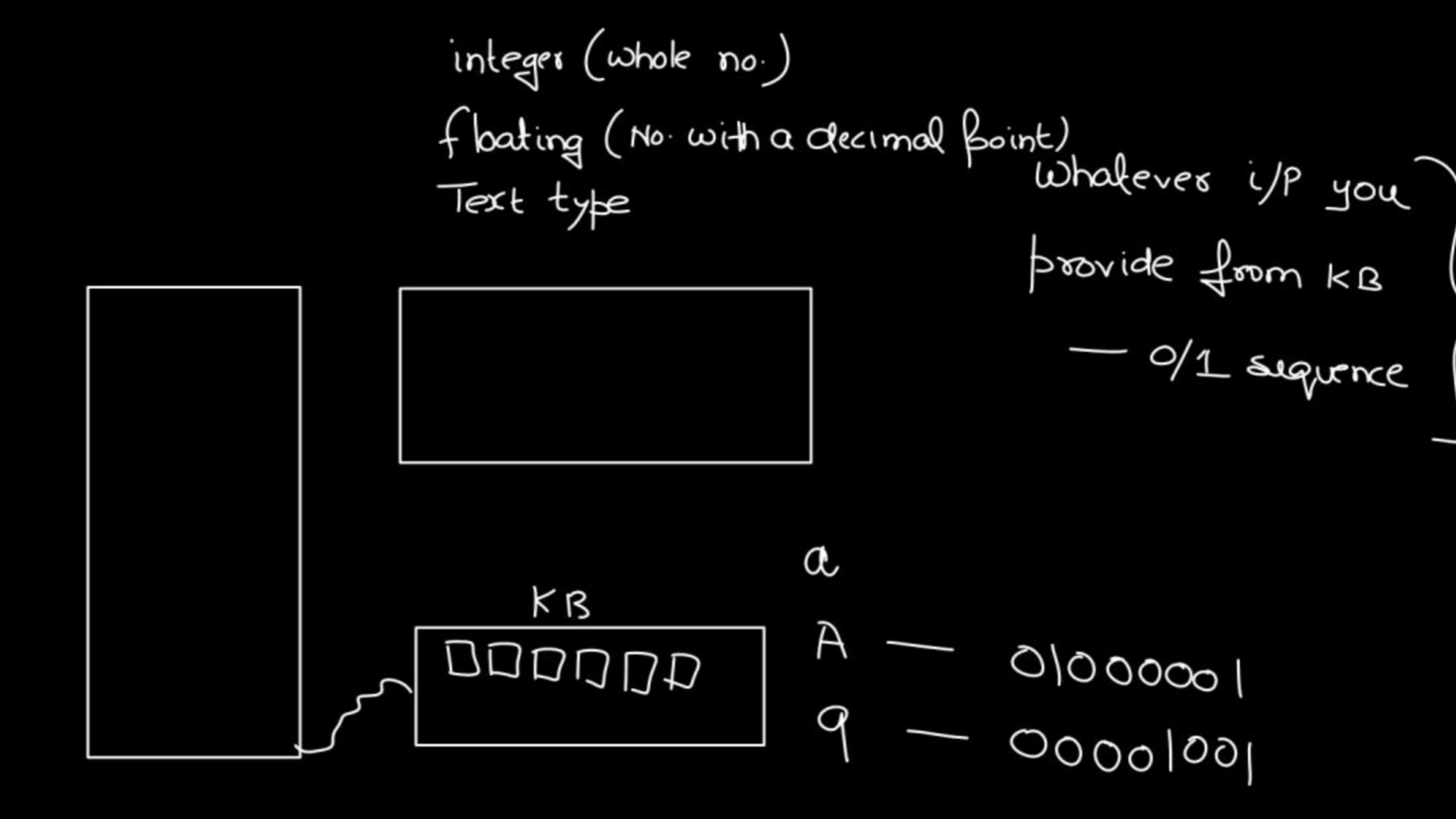
Numbers with decimal Boint

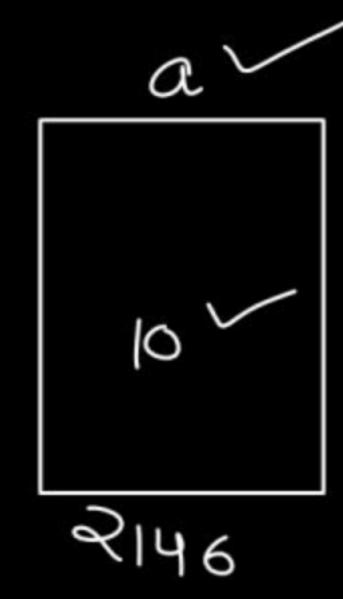
9.8, -12.3

Text: Address:

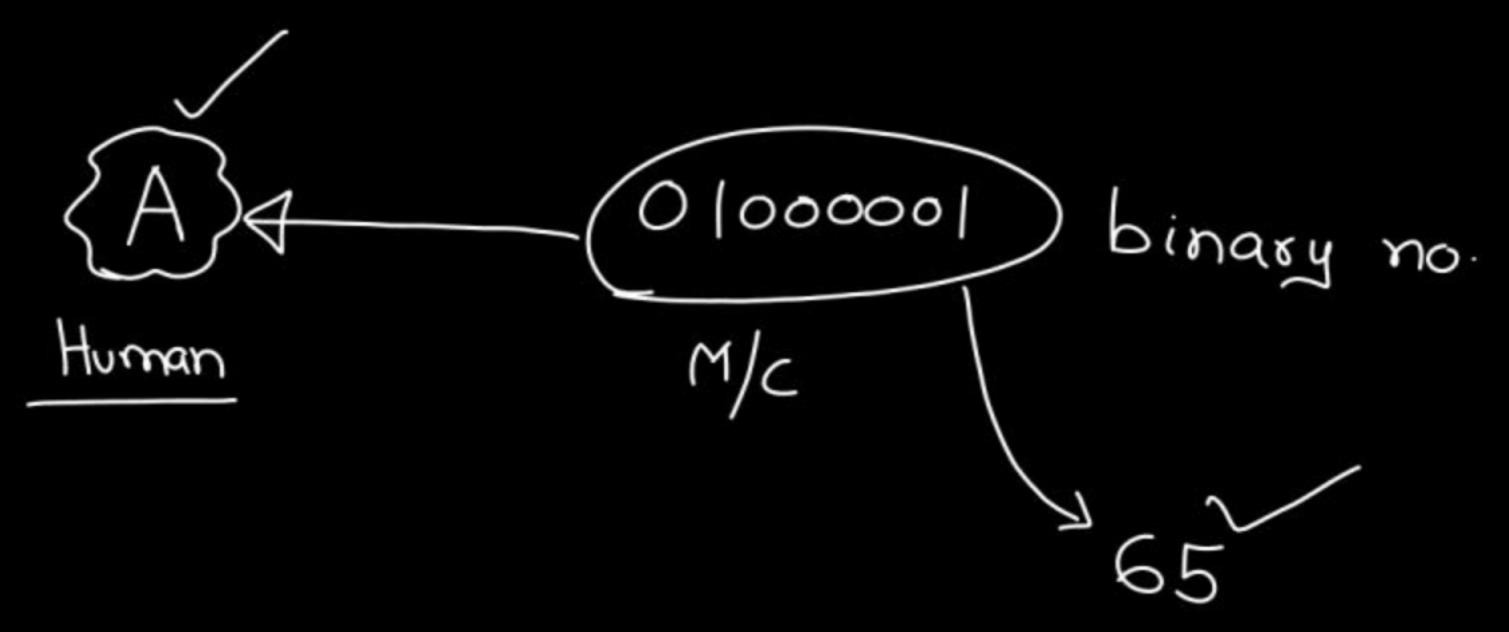
mail



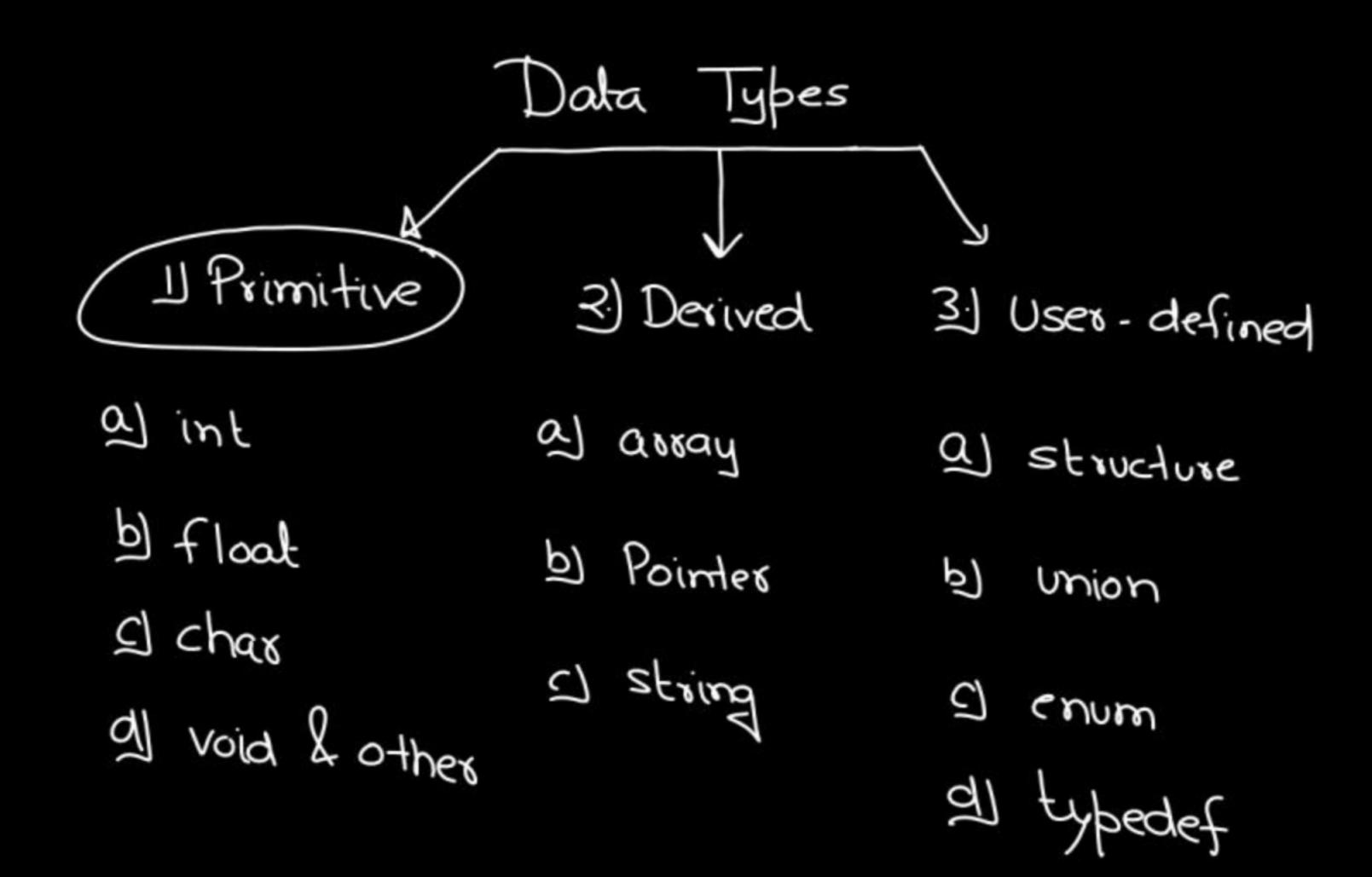




#include < stdio. h> Avariable void main() s p = 15.78 f loat) 6 b = 200.4; ~ Numbers decimal frank 200.4 4096



int a = 10; ~ float b = 12.78; ~ Textual



1) Integer Short int

(int)

Unsigned short int

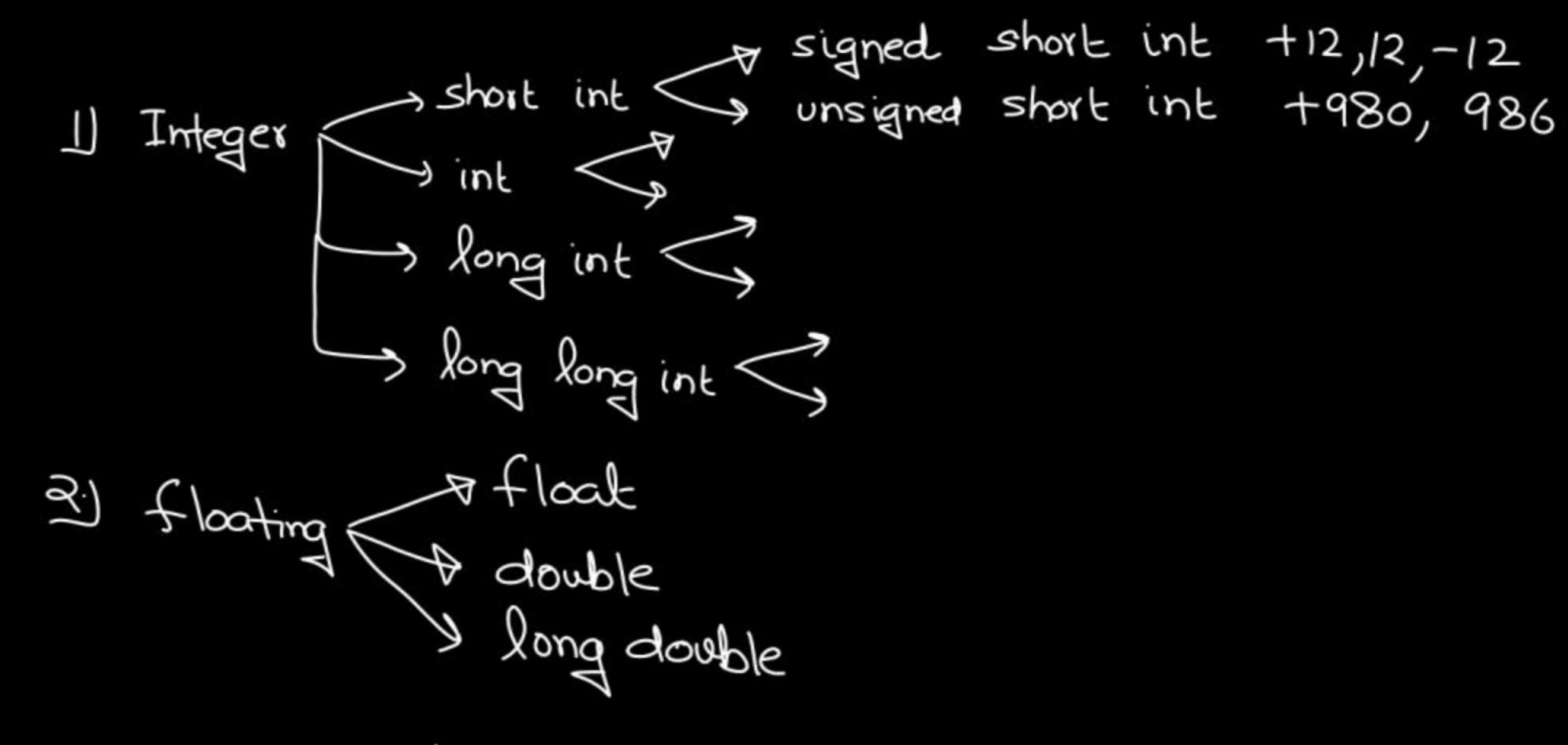
Unsigned int

Unsigned long int

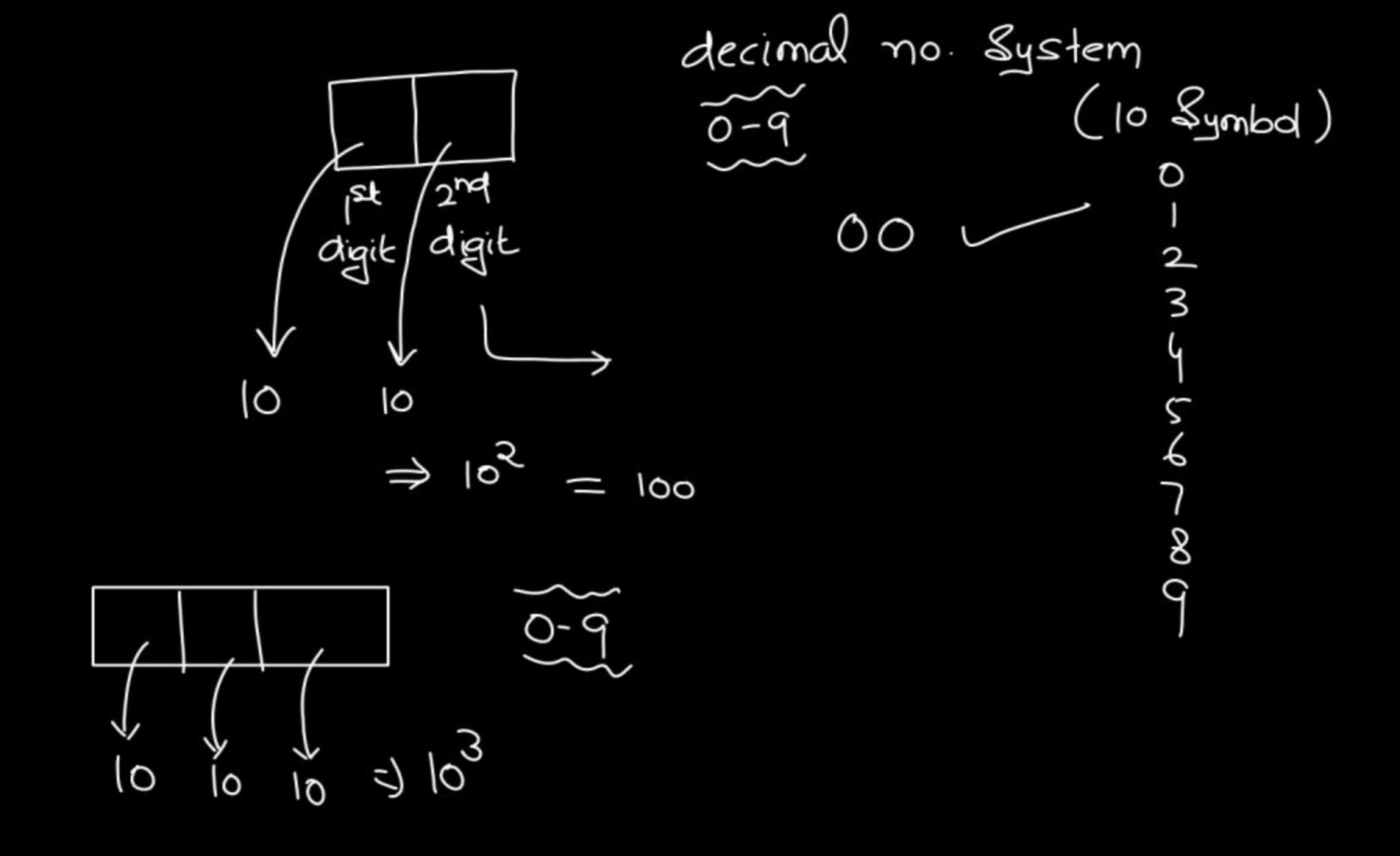
Unsigned long int

Unsigned long int

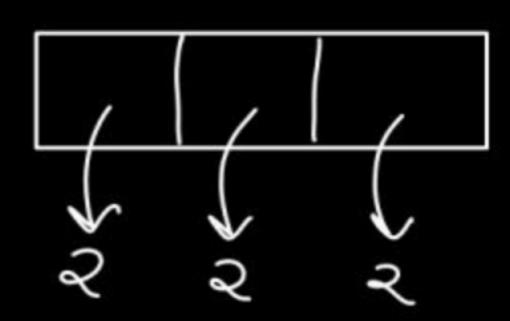
age store): -ve



3) Char & signed



3 bik



2 bit 00 01 0 3 bit => 23 value = 8 value -+ 0,1,2,3,4,5,6,7

Values
$$\Rightarrow 2^{16} \Rightarrow 65536$$

Range unsigned short int
$$\Rightarrow$$
 0 to 65535 0 to 2^{16}

16 bit => 216 values 65536 65536 65536 2 32768 32768 valves values -32768 . - - - 7 . - 1 0,1,2,-- 32767 Signed short int >> - 32768 to + 32767 (? byte)

int (4 byte) unsigned int

32 bit \Rightarrow $\stackrel{32}{\Rightarrow}$ values

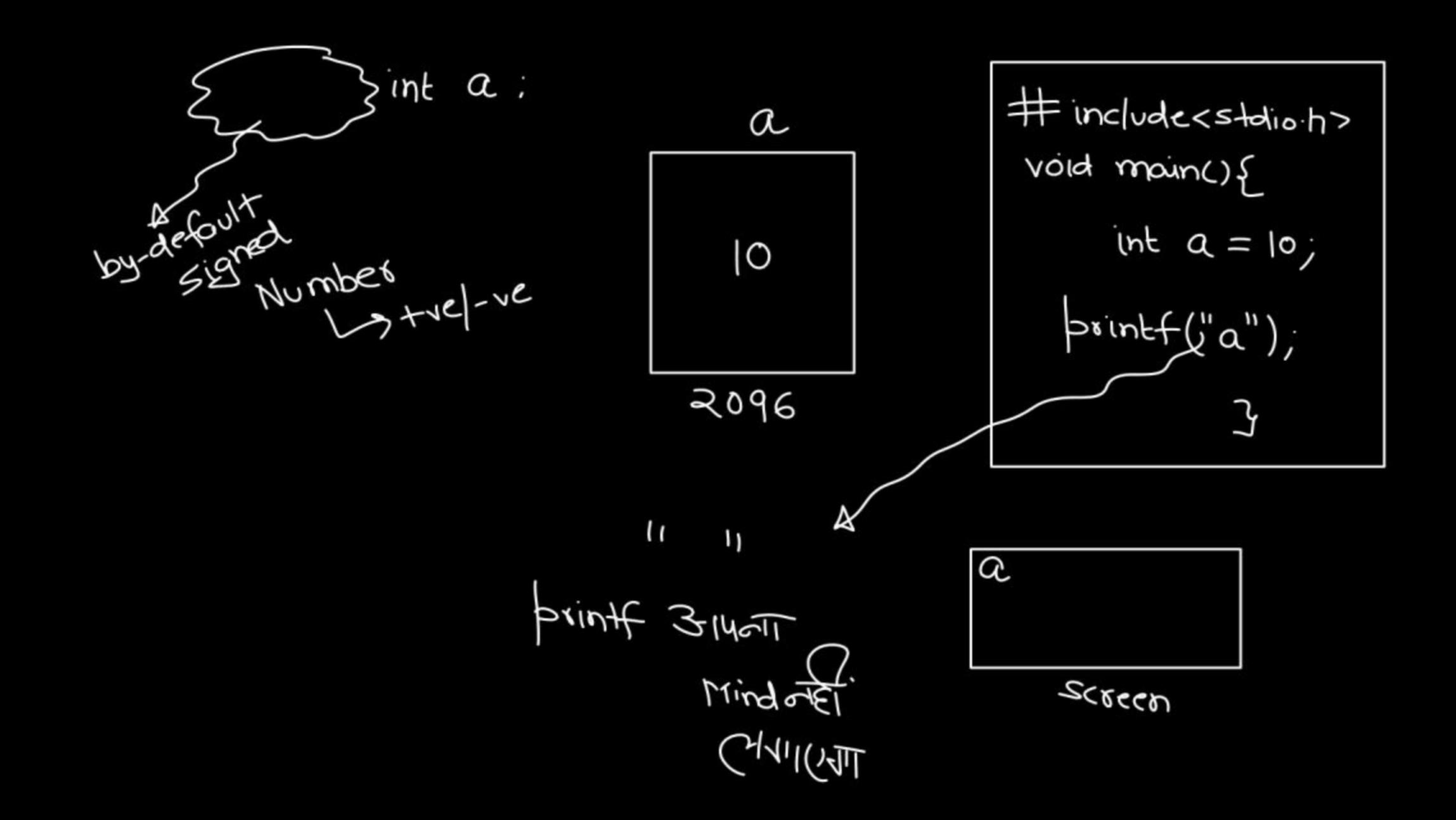
0 to $\stackrel{32}{\Rightarrow}$ -1

rande: -5 to 5-1 -5 to 5-1

n bit int/short/long int/long long int

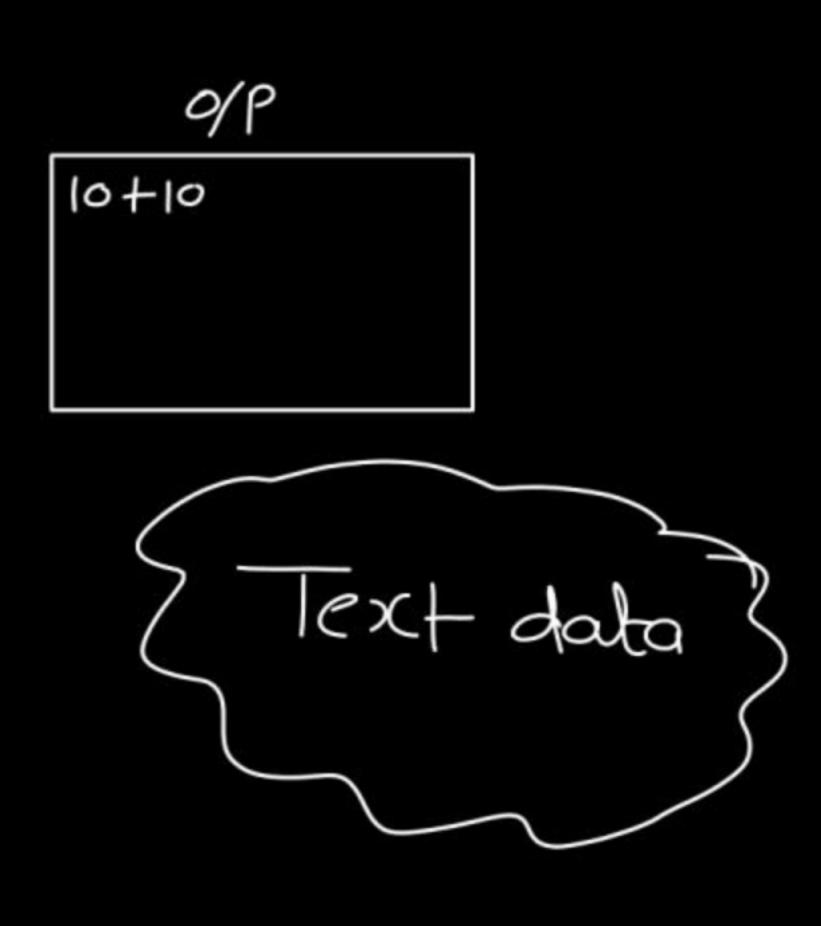
unsigned: n bit => 2 values

sidued: λ pif λ sidued: λ pif λ sidued: λ pif λ sidued: λ sidued: λ pif λ sidued: λ sidued:





#include<stdio.h> void main(){ printf("10+10"); No. Textual data



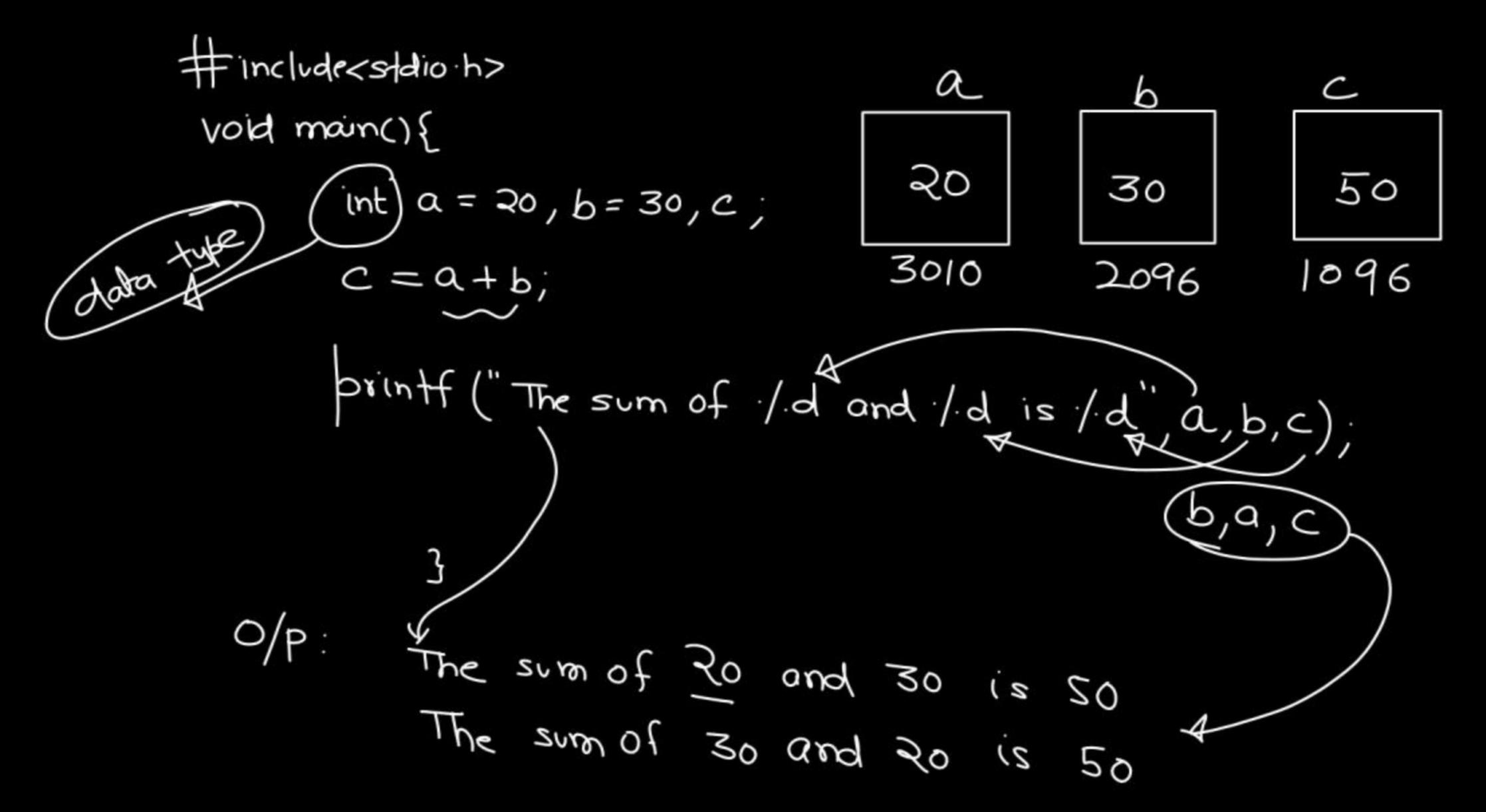
mail form) (Text) 2-day leave 4 printf - Horman

#include/stdio.h> tormal fier void main() { nt a = 20; 20 Short integer Chare 4/00t

#include<stdio.h> void moun(){ int a = 20; printf("The value of a is /d',a); 20 The value of a is 204 2096







2 > address of operator How to take input #include<stdio-h> scanf void main(){ Jeer Friendly int a; Memory printf ("Enter a number"); Scieen scanf("/d", fa); a Enter a number _ 2 2196 integer CURSON store KB A KB at this B address 15.78 12 0/1

a#include < stdio h> 20 void main() { int a; printf ("Enter a number"); scanf ("./.d", &a); Enter a number 20 printf ("The value is 20"); printf ("The value is /d',a);

Read 2 integer values # includes stdio.h> void main() \$ int a,b,c "Do no De bhai" printf- ("Enter 2 numbers"); scanf (" /d /d", &a, &b); c = a + b;printf (" The sum of /d and /d is /d", a, b, c);



