CS & IT ENGINEERING



By- Pankaj Sharma sir



C Programming

Data Types and Operators

Lec- 02

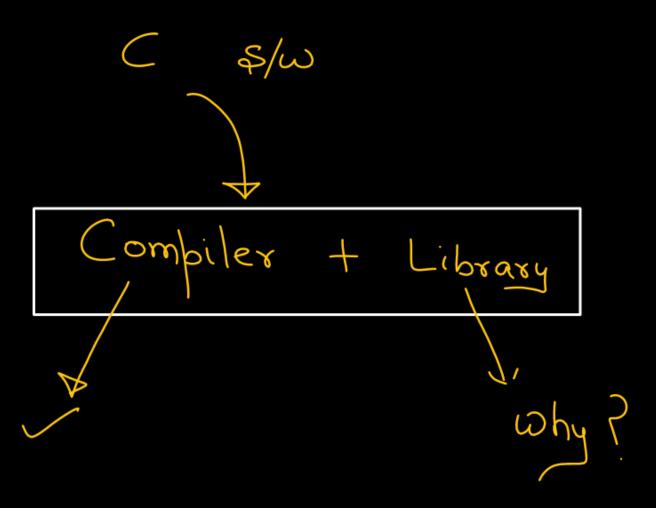


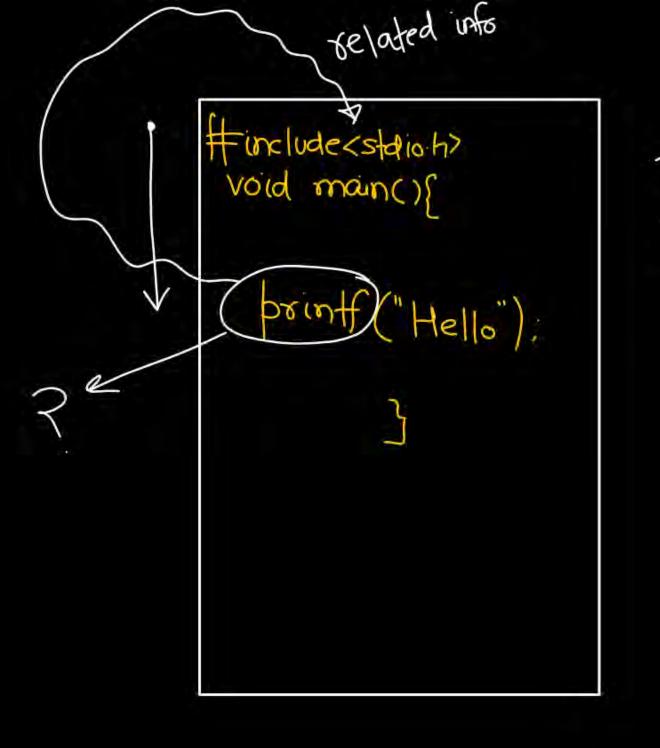
TOPICS TO BE COVERED

Introduction to C Programming-2

Why PL?
Translator?
Abstraction/Interface Ageneral
recording

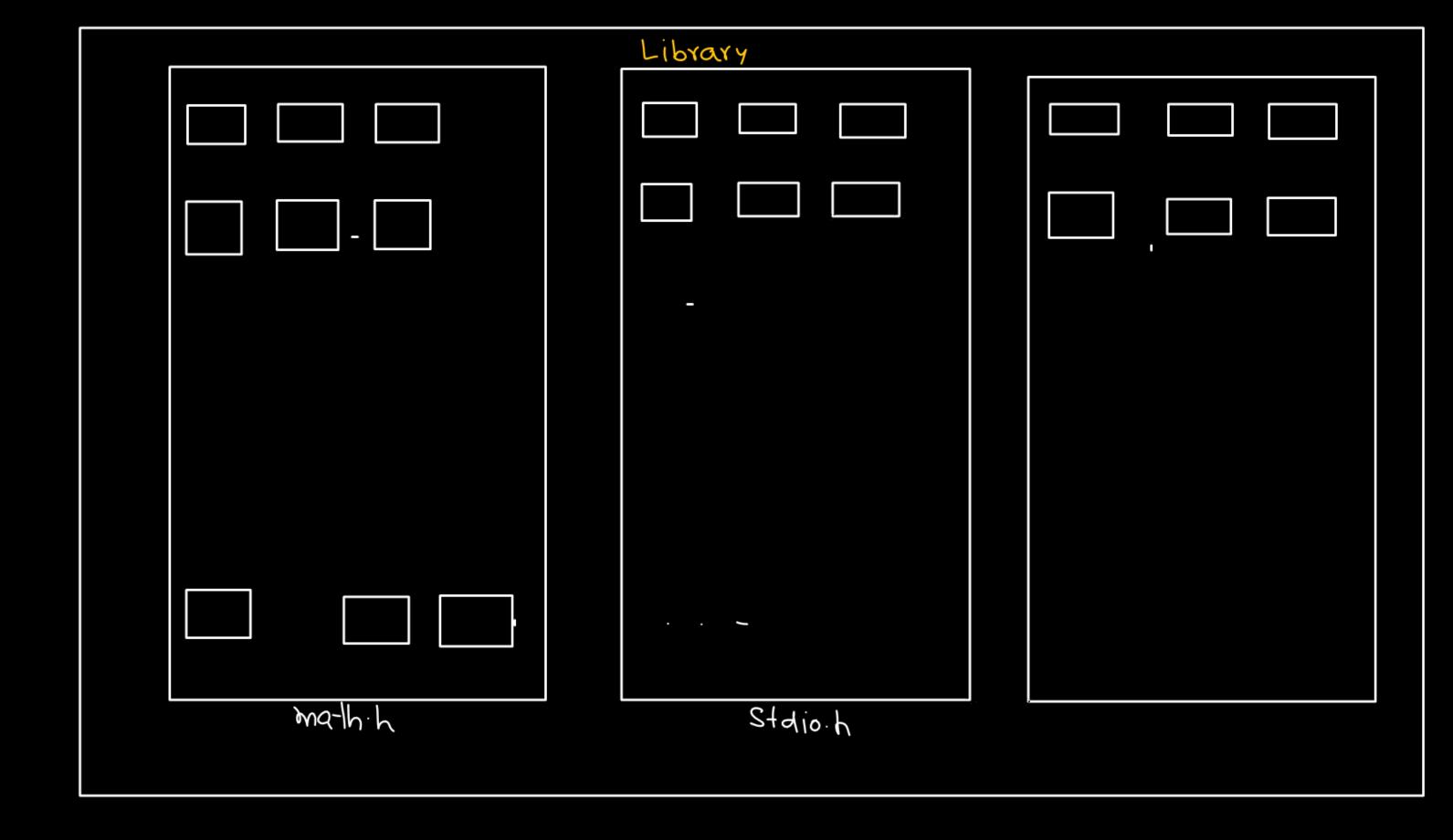
Presentation Slide powerpoint document > MS_ wood ·doc Text file Note Bad -C Brodrom Vs-code Code blocks Turbo C





Task opposide inside
Whatever opposide inside

Hello



email id

Password:

$$\begin{cases} 3 = 4x \\ 3 = 3 \\ 3 = 3 \end{cases}$$

$$\begin{cases} 3 = 3 \\ 3 = 3 \\ 3 = 3 \end{cases}$$

$$\begin{cases} 3 = 3 \\ 3 = 3 \\ 3 = 3 \end{cases}$$

Container

RICE Sugar Tea

Rice Sugar

Container type

goods

20

Randomly

retrieve:

Of the No name of the Post

000 2016 20

20

Randomly

retrieve:

name

 $\alpha = 30$

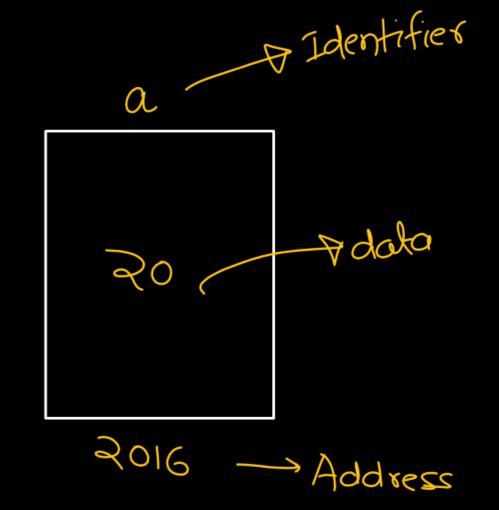
000 2016 20

a = 20

name (Identifier)

Address

data



Ticket

[-1] [-2] [-3] [-4]	F-5 F-8

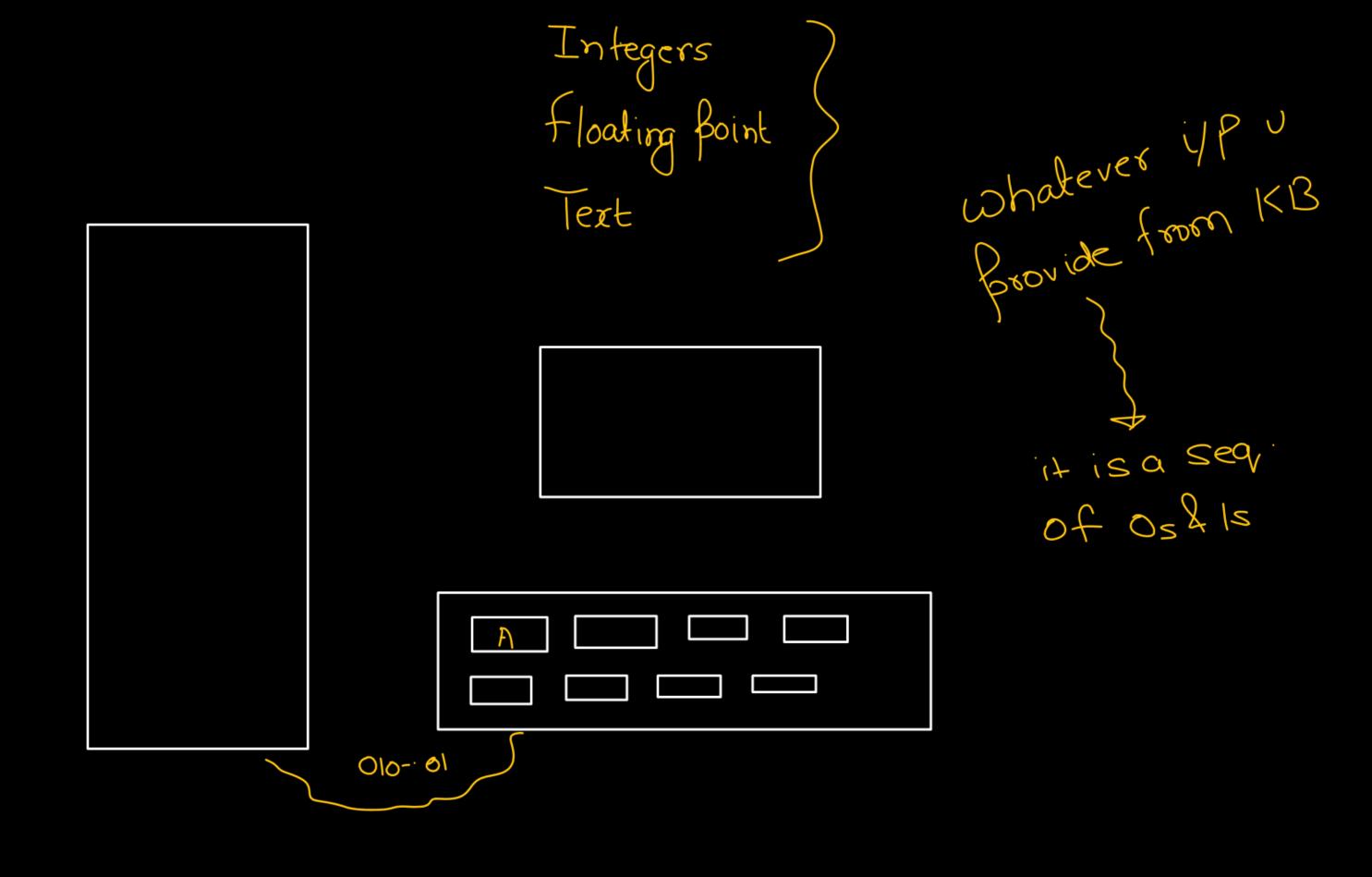
3:00-6:00PM 2 6:00-9:00PM 4 5:00-9:00PM 5:00-6:00PM

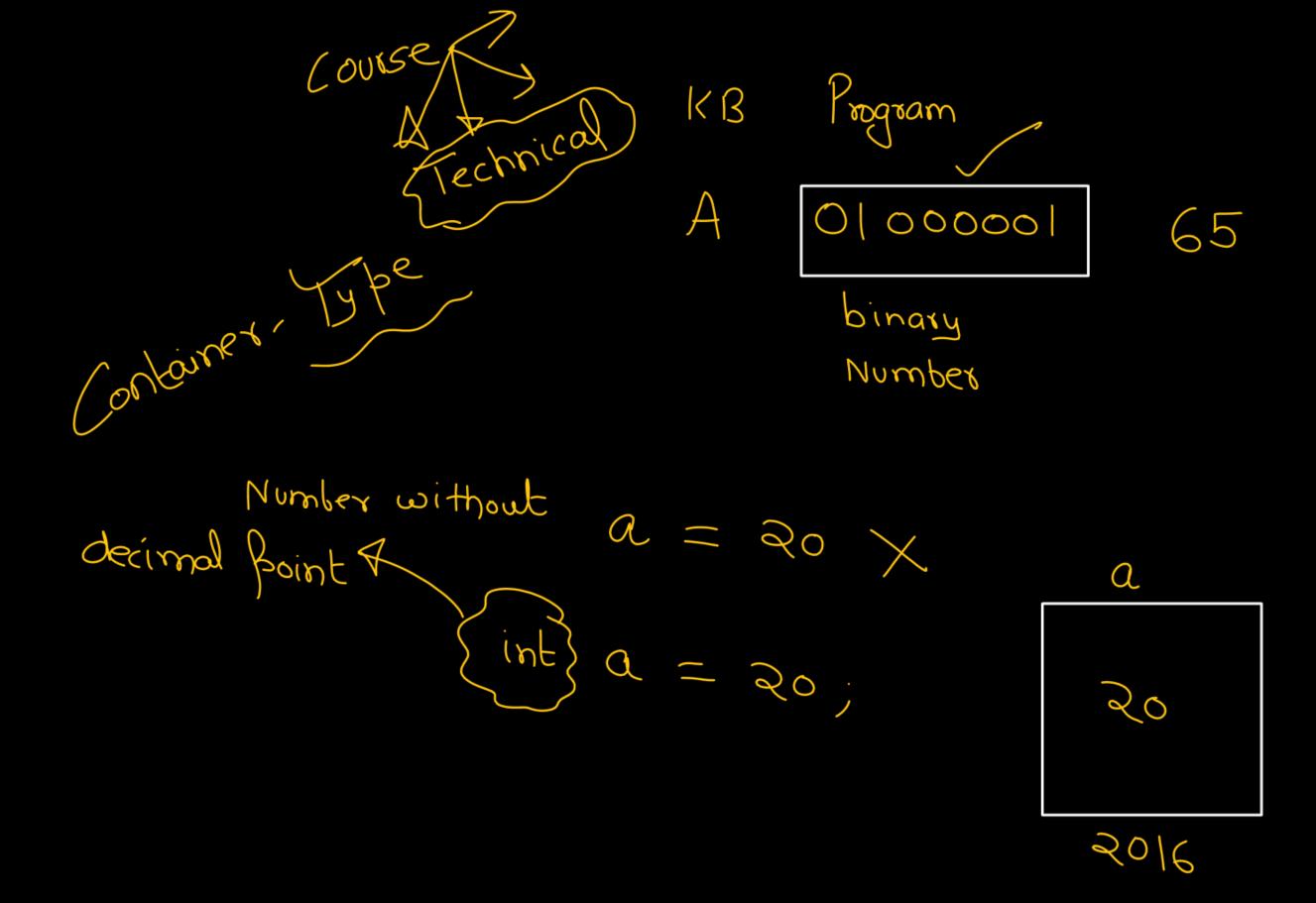
	Data	
Google mabs:	Source 1234X	
	dest. Goa	ext
ATM M/C	Pin about /x	
	1234 NO	JUS LIC

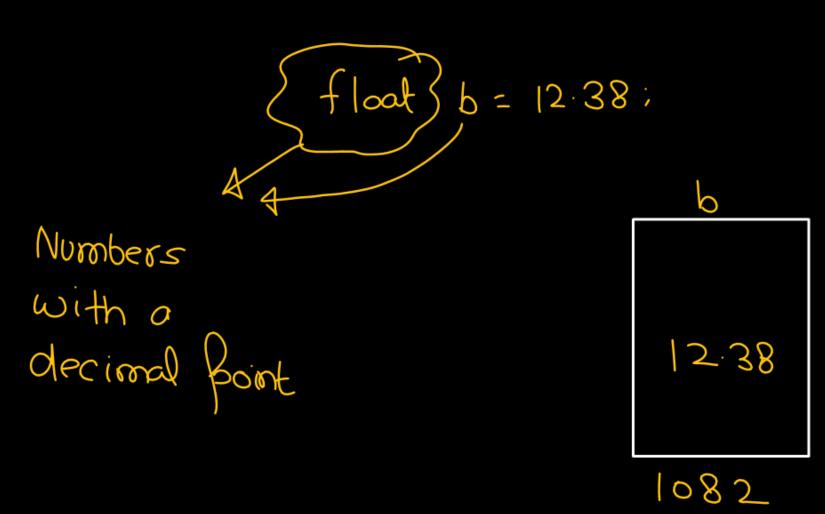
Dal-a Numeric Text > email Numbers without Numbers > Address decimal dtiw 3 name decimal point.

data types

+112,98,-60,0 Number 10 + Rahul = 9.8, -12.4, 3.14 Mnupee Pankaj Text Symbols)

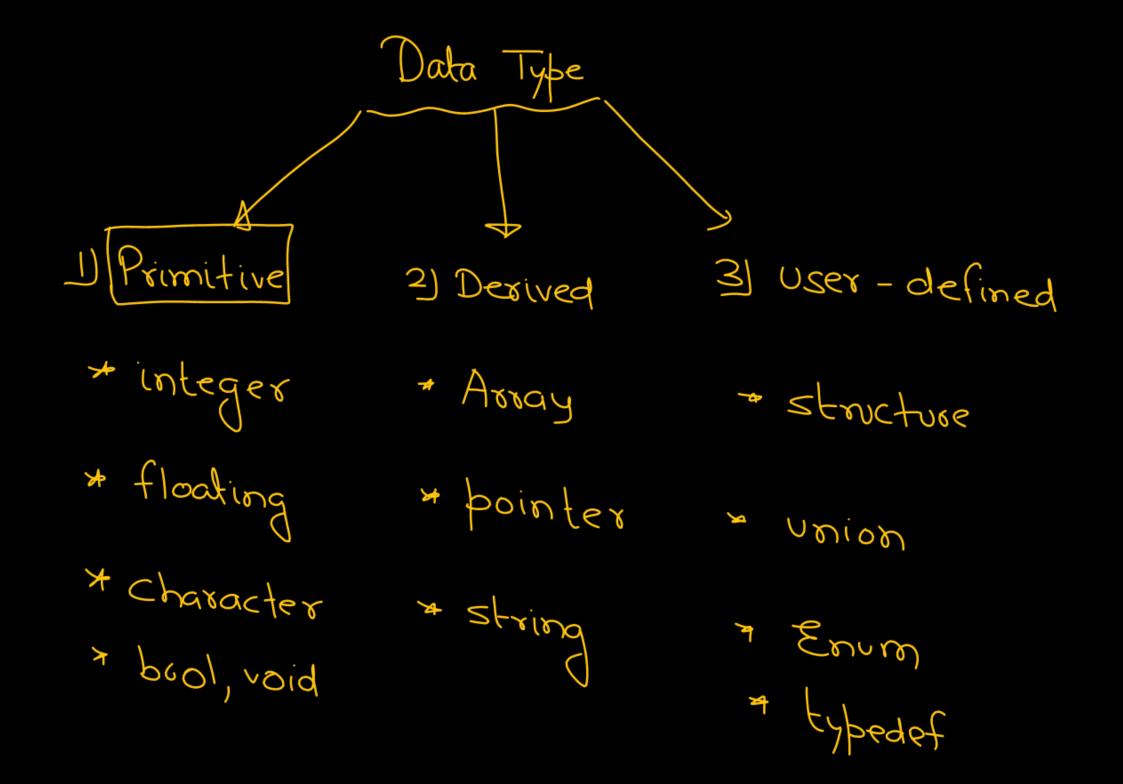






Pankaj Text: char 6 int float

apple Lacs ball bredefined Cat 10 pomas lo stor Symbol. being pre-defined int, floot, char 3 meaning Compiler Keywords

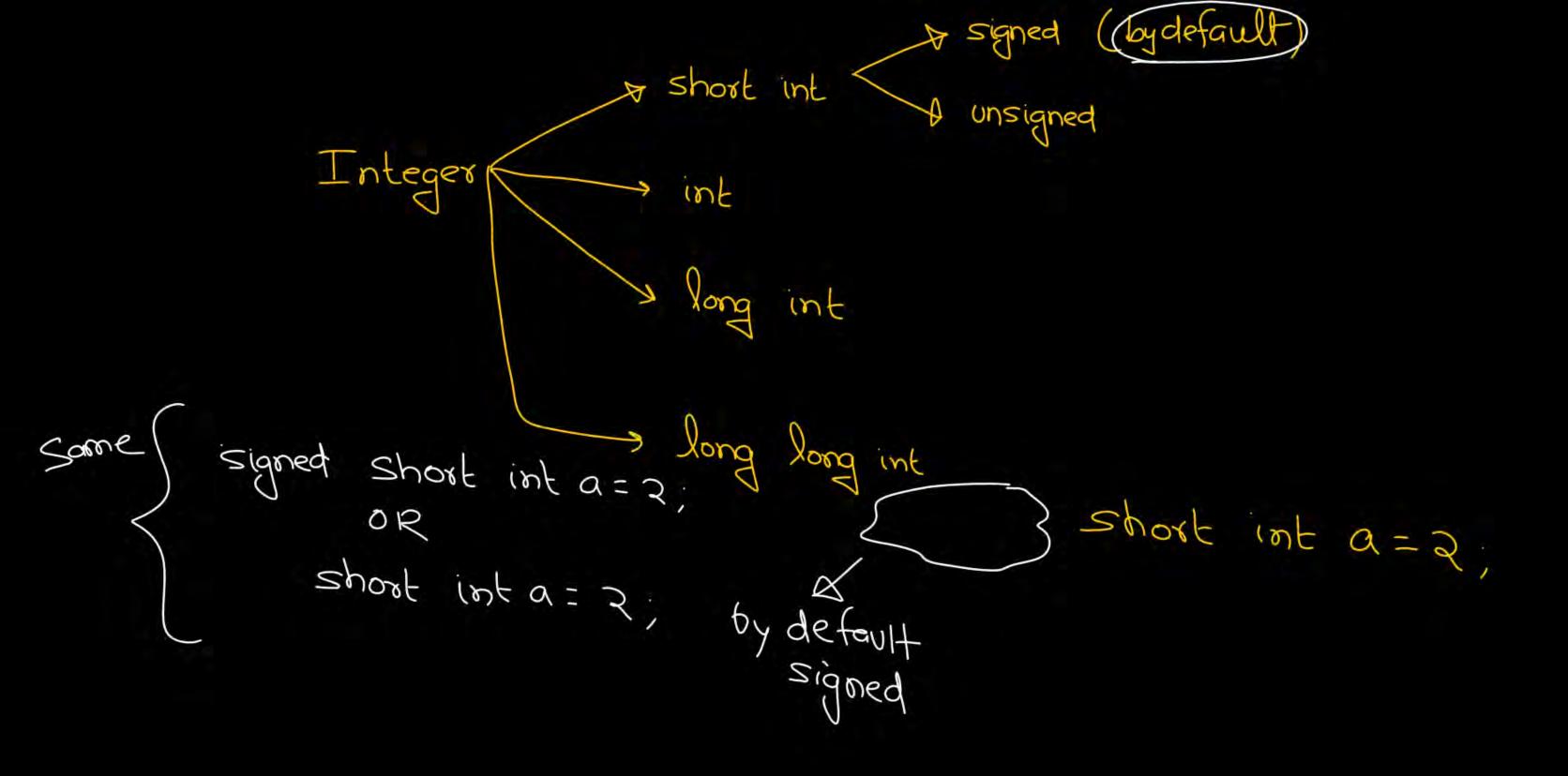


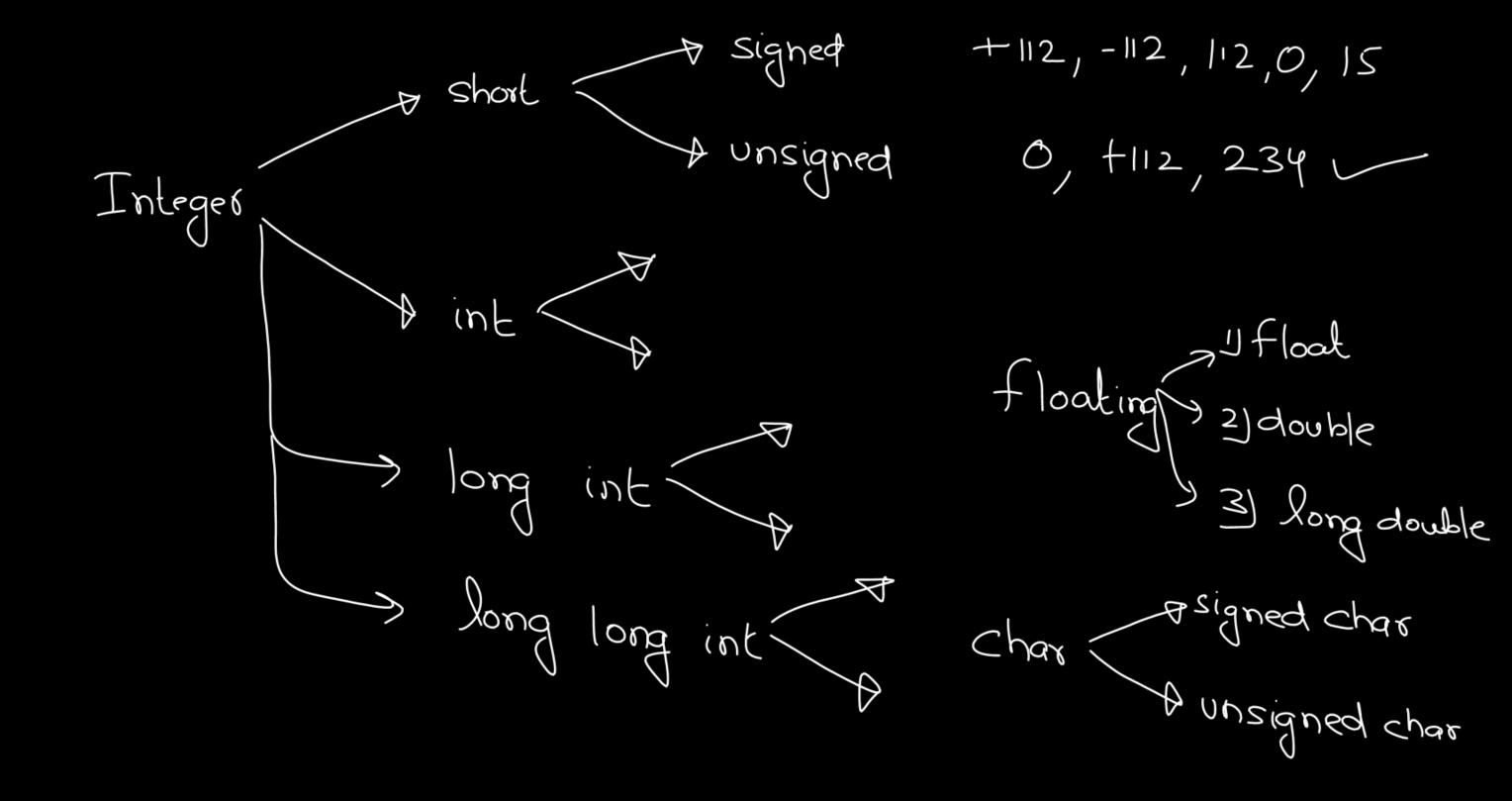
Integer

tve, -ve

-90, +80, 80, 90, 0, 12

(short int)
$$a = 3$$



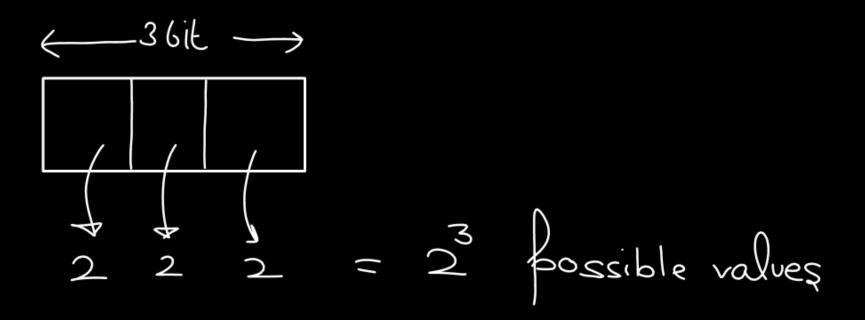


| digit = bit



la Pif Sud Pif

$$= 2 \times 2 = 2 - 4 \text{ Bossibility}$$



26ik Unsigned = 4 Bossible values (0,1,2,3) 00 O0 unsigned 0

unsigned

=> 24 (16 Possible)

0,1,2,---15

C standards byte = 8 bits J SizeX

Min & BR

short int 2 byte

assuming 2 byte A unsigned short int A signed 2 byte = 2x8 = 16 bits => 216 Possible values Unsigned 65536 values Unsigned short int => 0 to 65535

Signed short int

$$-\sqrt{65536}$$
 $-\sqrt{8}$
 $-\sqrt{8}$
 $-\sqrt{8}$
 $-\sqrt{8}$
 $-\sqrt{32768}$
 $-\sqrt{32768}$
 $-\sqrt{32768}$
 $-\sqrt{32768}$
 $-\sqrt{32768}$
 $-\sqrt{32768}$
 $-\sqrt{32767}$

-32768 to +32767

int => 4 byte 4 x8 bits = 32 bits 2 2 possible values unsigned int: 0 to 2 -1 signed int: 0 to 531 1 531 nors integer

unsigned

n bits 2 7 2 values Signed 20-1 0 to 2,-1 to + 5 -

 \bigcap

10 min -> doubt ? 12 bre-defined

undefined behaviour C Standard ide ntifier name of variable name of function Jarg name of structure 26 lecture

String

26 question

Overflow in addition - Digital

Cate

Accred lab C + DS



