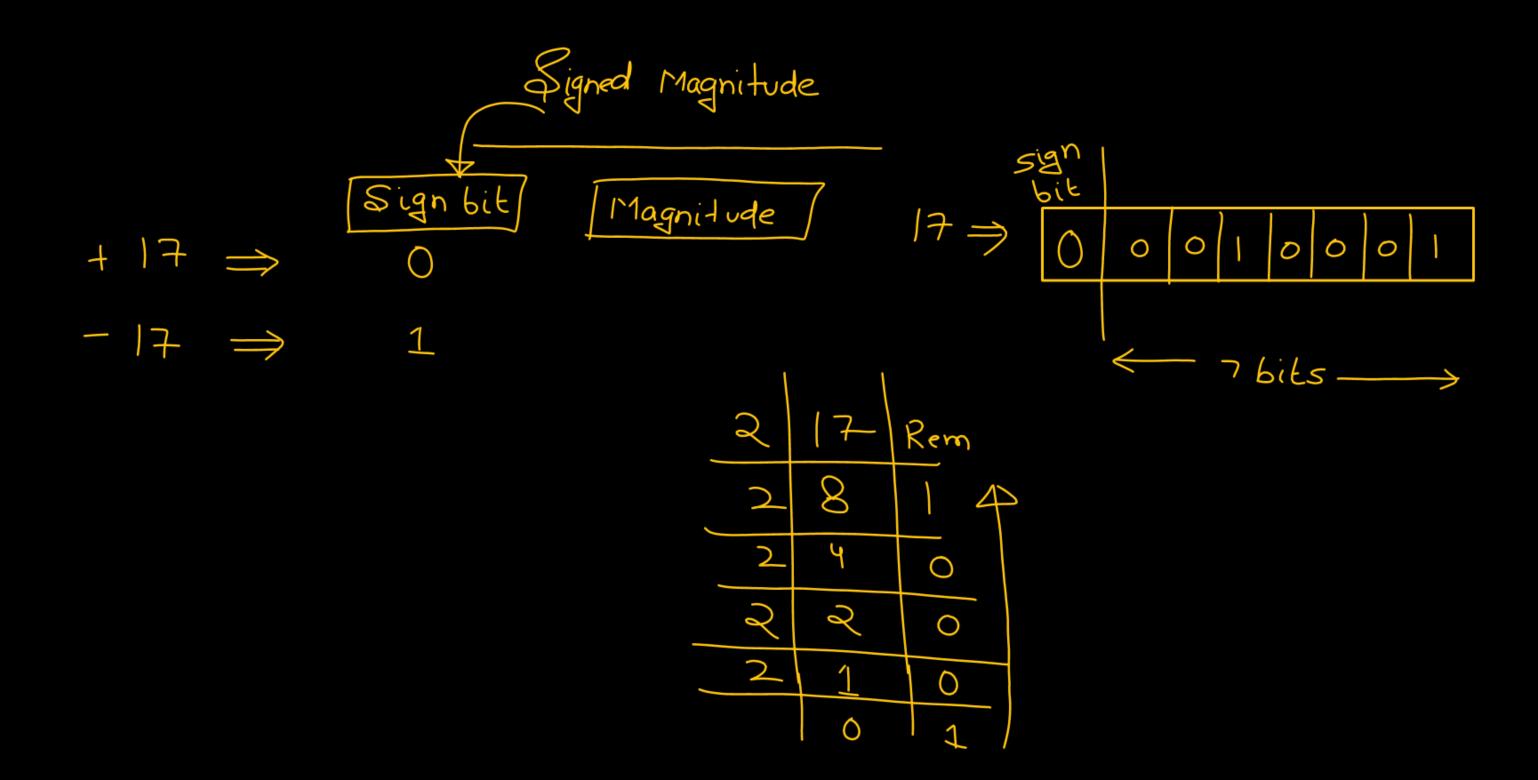
CS & IT ENGINEERING

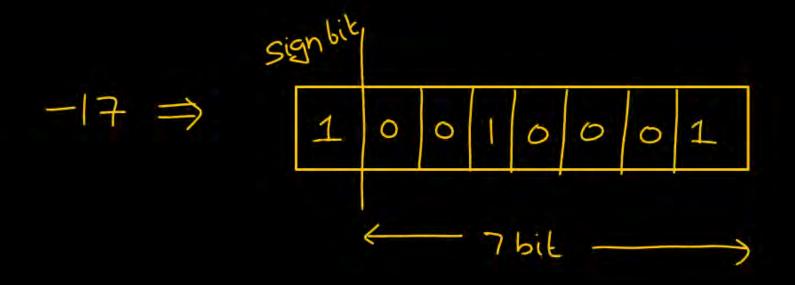


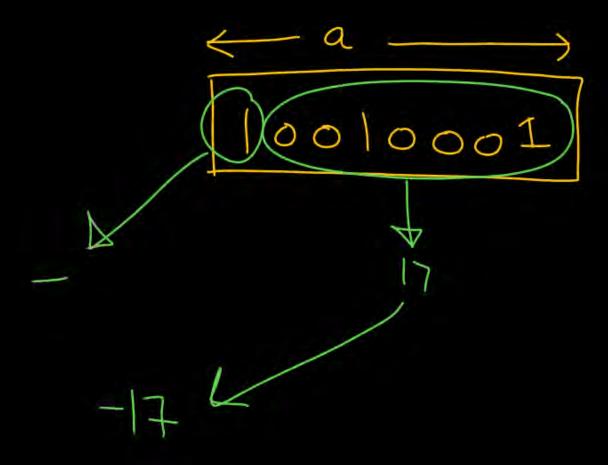


By-Pankaj Sharma sir







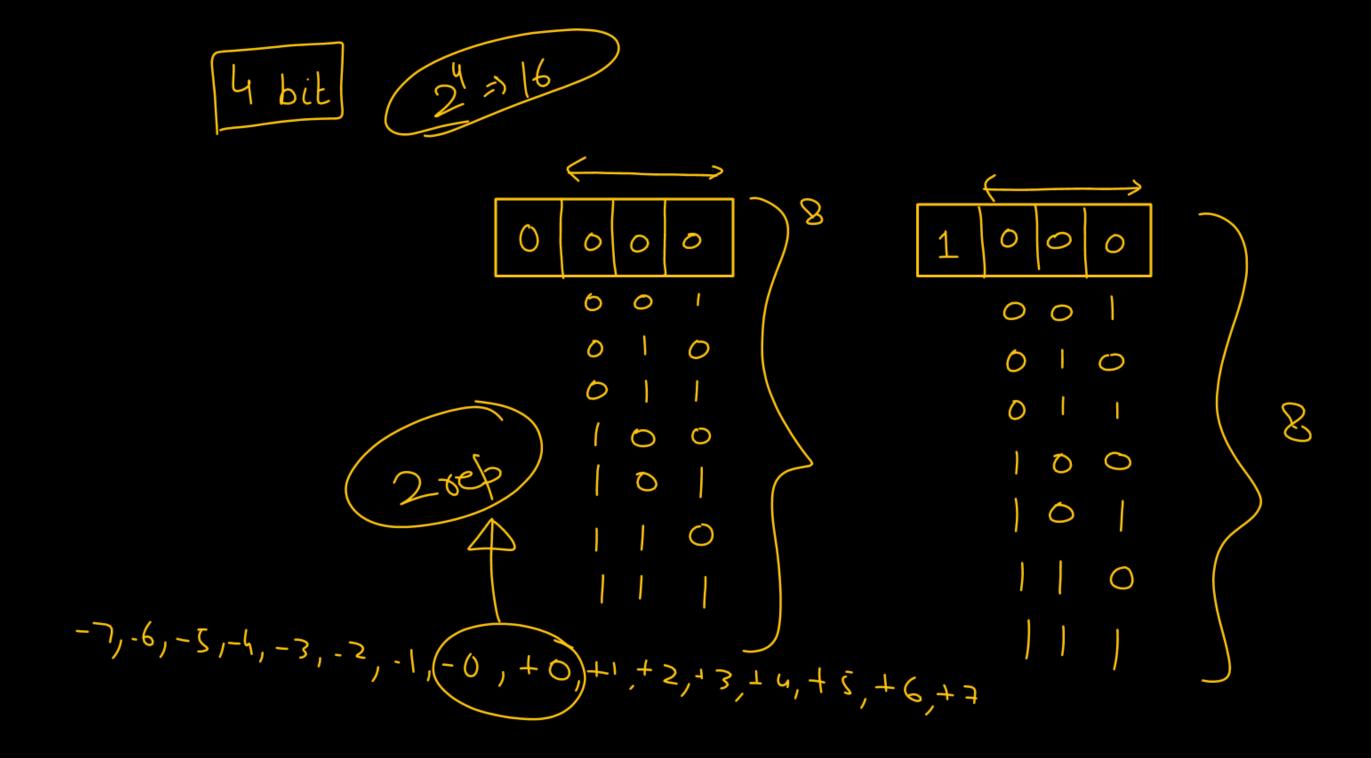


$$\frac{\bigcirc 0000100}{\Rightarrow -4}$$

2's complementation

1) +ve no => As it is.

2) - ve no => In 2's complementation form



x: 00 0 0 0

15 comp: 11010101

X: 00101010

1's comp: 11010101

00000001

11010110

Comp

$$1+0=1$$

$$1+1 = (2$$

Carry Sum

25 compdirect

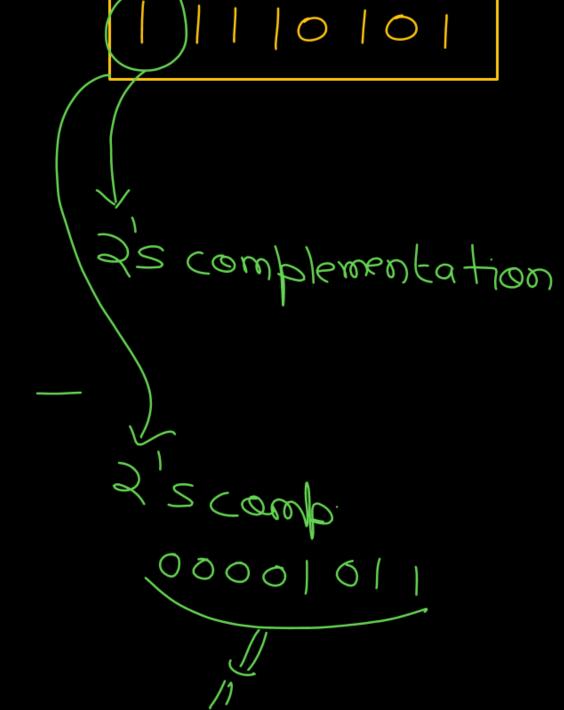
25 compdirect

01001010

(i)
$$+11 \Rightarrow 00001011$$

$$(11) - 11 \Rightarrow a + 11 \Rightarrow 00001011$$

$$b + 2 \leq comb \Rightarrow 11110101$$



$$\begin{array}{c}
(1) \times 10 \\
(23) \times 2120 \\
1 \times 23 + 1 \times 21 \\
-(0)
\end{array}$$

$$\begin{array}{c} 3 & 2 & 2 & 2 \\ 2 & 2 & 2 & 2 \\ 1 & 0 & 0 & 0 \\ 1 & 0 &$$

Little Endance int (a = 256; Big Endian + compiler of char *p; 43-011 LSB printf ("/d", *P); 00000 00 -0 00000 272625242322220 = -36-54-33-3-51-50-1 --64-16-8-4-2-1-1

Char
$$a = 60$$
;

Int *p = (int*) fa;

printf("/d", *p);

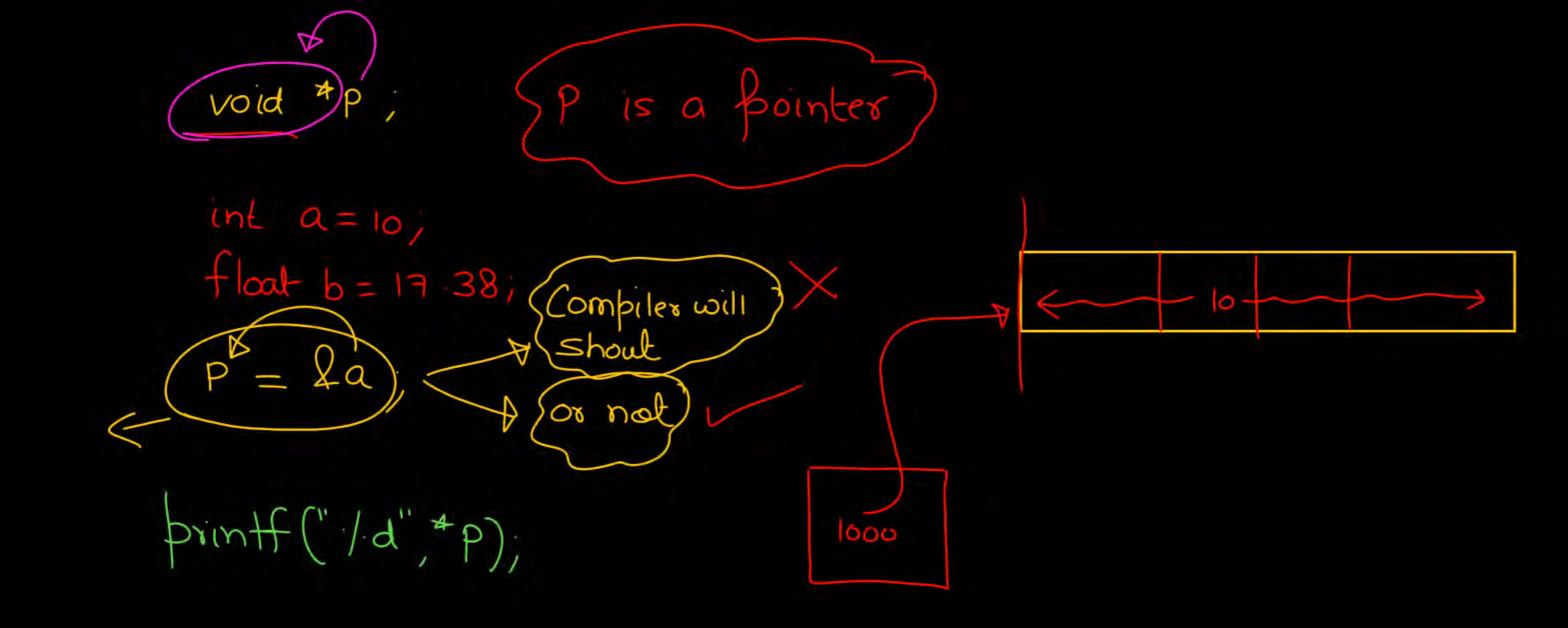
page 60.

iok size => 4 byte

int
$$^{*}P$$
;

$$=$$

$$P=P+2$$



void Bointer

- (1) Can not derefrence directly.
- 3) first typecast then ____

void
$$*P$$
;

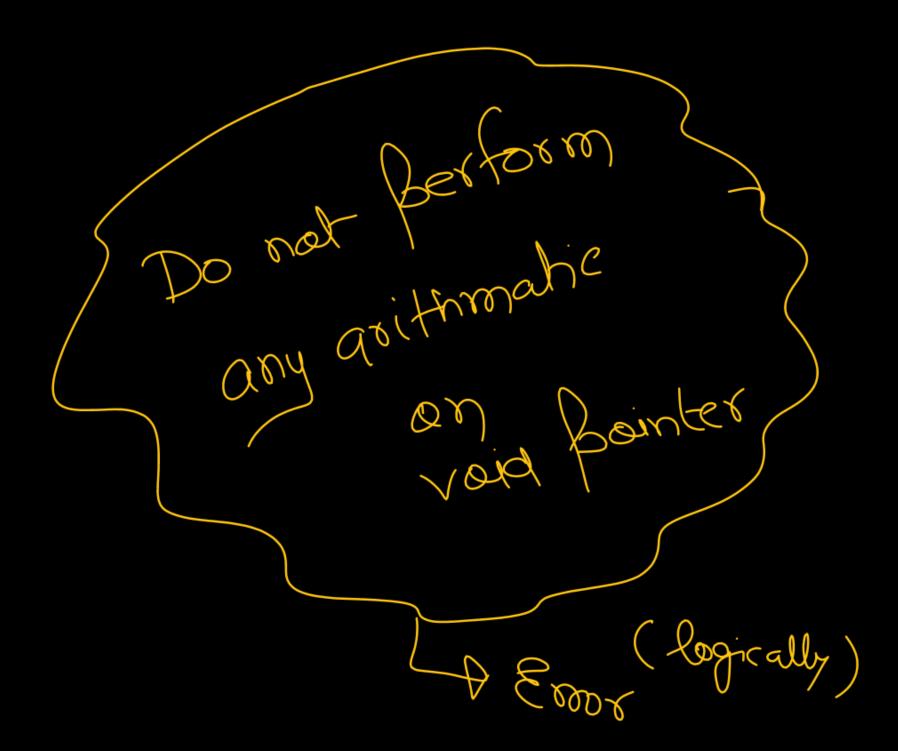
Int $a = 60$;

 $P = 4a$;

 $printf("/d", *(int *)P)$;

void *p;

P=P+2;



Wild Pointer

Uninitialized fointer

void main()

{ a bagg

int a;

printf("/d',a);
}

 negligible

void main(){

int 4p;

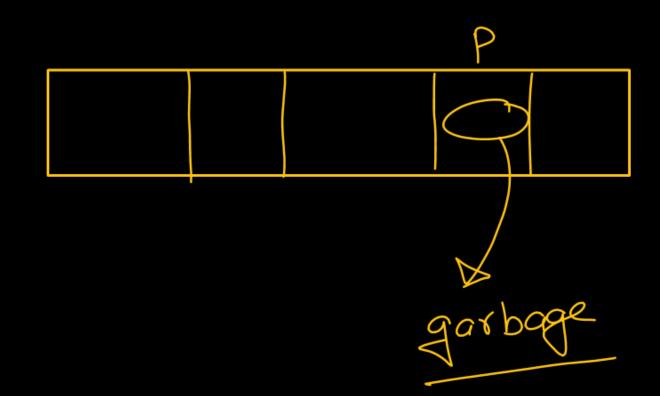
int x = 12;

*P = 36;

danger

| \propto | <u> P</u> |
|-----------|-----------|
| 36 | 1016 |
| 1016 | |

void fun() {
int *P;
int a;



Dangling void main(){ int* fun() int *P; int a = 10; P = fun(); int * 9 = & 9, return q, main(1 1012

static int a = 10; the program

return fa;

Void main(){

int *P;

P = f();

printf("/d",*P);

3

