7 pm

SATURDAY / Q

FE	B' 21 05 Wk / 030-335 OO
	Bitwise Operator and Number System
8 am	Bitwise operator:
9 am	Base 10 Number System = Decimal number system
10 am	i.e (0,1,2,3,6,5,6,7,8,9,10)
11 am	Base 2 Number System: Binary Number syste
пооп	i.e 0,1
1 pm	

0 = False
1 = True

4 pm	N1)	1 1	a4b	
+ pu	α	B		
5 pm	0	0	0	
o pui	0	1	0	Sunday 31
evening	1	0	D	
		1		

0> 6	iven he	mber	n fi	nd its ever	n dy pdd
@ When	you b 1	with	any	nuber digit	remains same
		1 1	001		and the second s
		0	1 11		

001

FEB' 21

<b>FERKNAKA</b>	2021
01	∥ MONDAY
UI	06 Wk / 032-333

9 am	а	b	1	allb			
10 am	0			0			and the company of the second
	0	0		1			
l am	ı	1		1			
	1	0		1	the second of th		
oon							
			- 1				
		<u> </u>					
om »	XOR (	) if	and	only; f	[ only	, ohe	shoud be
irp	XOR (	or if	and	only; f	[ only	, one truc]	shoud be
pm irp	XOR (^ exclusive a	or if	and b	only;f		, one fruc]	shoud be
om irp	a	or if				, one fruc]	shoud be
pm irp	0	l		a^		, one fruc]	shoud be
pm irp	a	or if		a ^		, one fruc]	shord be
pm irp	0	l		a^		, one fruc]	shord be

a 1 a ; 0

never judge a book by its cover

M T W T F S S M T W T F S S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

02 \\ TUESDAY

FEB' 21

1 1	1
Complemed	(~)
	1

8 am

a = 10110

9 am

a = 01601

10 am

11 am

noon Conversion of number sy

1pm Number system,

2 pm

1) Decimal number Systm - Base 10

3 pm

3 Binary number -> Base 2

4 pm

(3) Octal base > 0,1,2,3,6,5,6,7 => Base 8

5 pm

evening

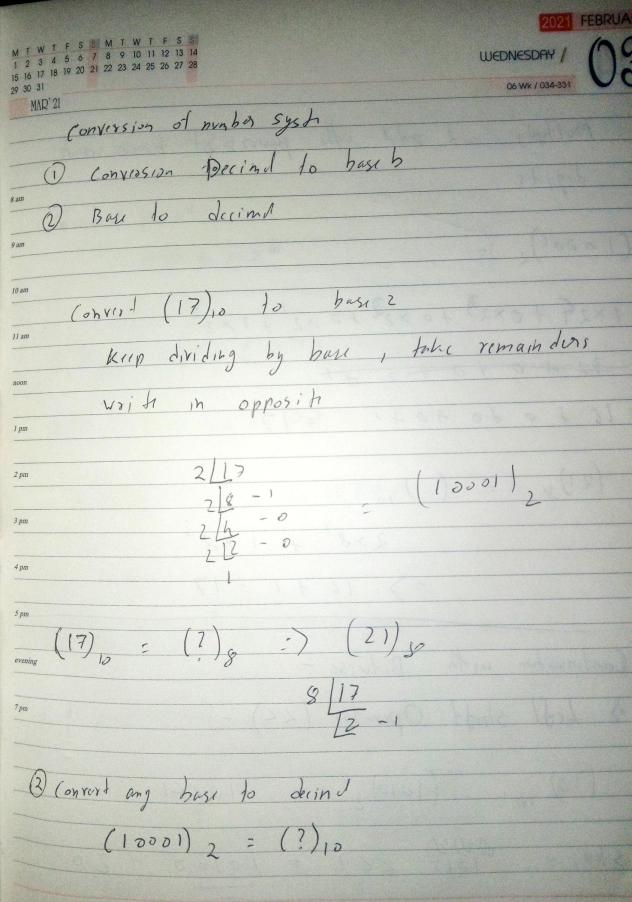
(9)10 = (11)8

7 pm

(5) Hexa Decimil - 0-9 & A-F

0,1,2,3,4,5,6,7,8,9,A,B,C,D,E,F

(10) 10 = (A) 16



M T W T F S S M T W T F F S S 1 2 3 4 5 6 7 8 9 10 11 12 12 14 16 15 16 17 18 19 20 21 22 23 24 25 26 23 2

```
\\ THURSDAY
```

Mulhply and add the pover of base with 119,75 (10001), = 1×24+0×23+0×22+0×2+1×2 : 32 + 0 + 0 + 0 + + 1pm 2 16 + 0 +0 +0+1 = 17 0) (21) 8 = ()10 2 ×8 + 1 ×80 => 16 +1 = 17 5 pm Continuation with Bituise : ·> Lest shift Operator (LL) :-(10) 10 = (1010)2 10241 Stp: - 0100 261 = 10100 = 20

Music is the universal language

M T W T F S 8 M T W T F S S 1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 16 19 20 21 22 23 24 25 26 27 28 29 30 31

ERIDAY / 056-329

MAR' 21

: a <<1 = 2a

8 am

General point :-

9 am

a<< b = 2 b

10 am

11 am

-> Right shift (>>)

noon

1pm (0) 2011 201 >>1

2 pm

-> 001100 - 1100

3 pm

4pm General,

 $a>>b=\frac{a}{3b}$ 

evening

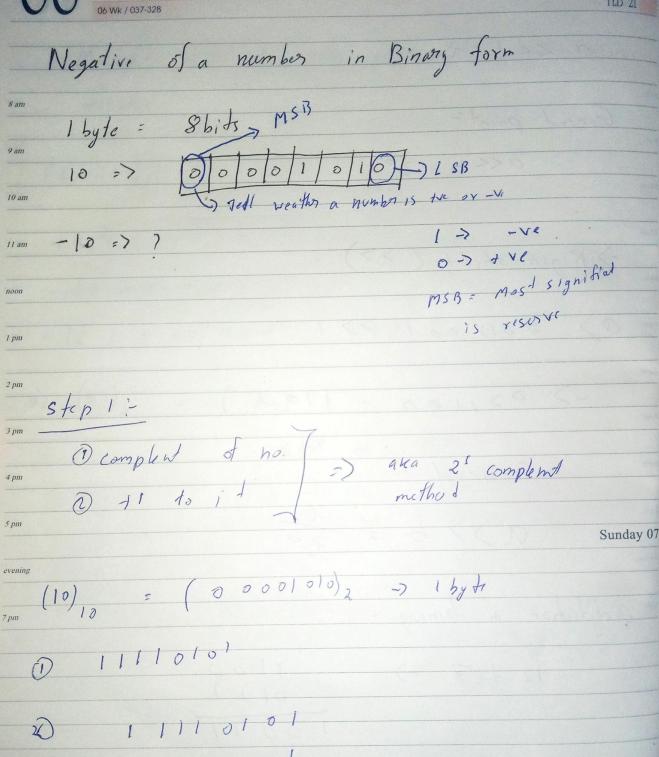
7pm addition in binary -

13 + 7 -)

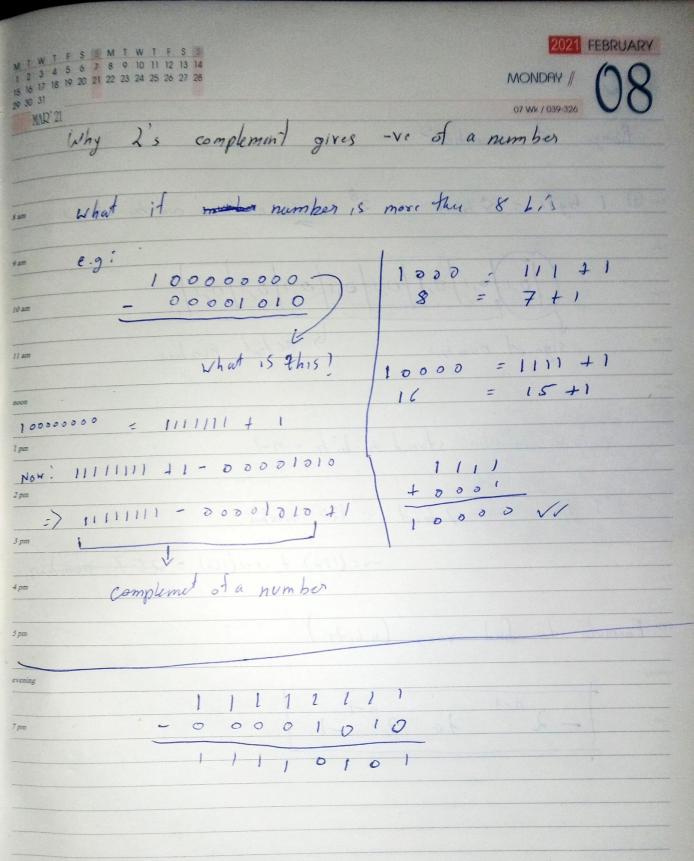
1100

FEB' 21





Praise undeserved s scandal in disguise



ITB 21

number; Range of

1 byte = 8 bits

9 000

11 am

noon

bos 6 octub number

actual number stored in hit = n-1 1 pm

2 pm

7 hit = 128 number

-vc (128) + +ve (128) = 25-7

4 pm

(nb, to)

evening

1-2<sup>n-1</sup> 10 2<sup>n-1</sup>-1