3	T W T F S S 1 2 4 5 6 7 8 9 8 11 12 13 14 15 16 8 Week 04	20
17	18 19 20 21 22 23 E. Day 020 - 346	Mandan
24	Date 20 - 01 - 2020 CODERARMY DSA	Monday
9,00	TO CODERTIRMY DOT	
	* LECTURE - 1	
10.00		on used
11.00	First type of counting was tally marks.	g gais
12.00	Egyp used to use Base 60 number system	
1.00	Egyp used to use Base 60 number system. But India brought decimal no. system — PROUD	
	Decimal: {0,1,2,3,4,5,6,7,8,9}	
2.00	- Base ID	
3.00	> This no system was easier to to writhmetic of	
4.00	Earlier withmetic operations were difficult to call	culate.
	Then came computer but that were used to be	a hia a
5.00	Sa 7 (SIOOII).	U
6.00	Then come transistant a during to ambit,	1001 . 1
7.00	Then come transistors -> device to amplify e signals that have two output working or not wo	oking.
	Working - 1	V
	not working - 0	Manager and the second
No.	- V	
Notes		The state of the s
7	* Binary no system	
	$\begin{cases} 0 \\ 1 \end{cases} = BQse_2$	
	The keystone of successful business is co-operation. Friction retards progress.	

January 2020 Week 04 Day 021 - 345 24 Tuesday 30 31 Date 21 - 01 - 2020 28 29 General 10 1 aditions 1 +0 10.00 Binary 11.00 Eg-> 27 12.00 13 1.00 -> Ans 2.00 47 22 2 Ans 101111 4.00 2 5 2 5.00 6.00 Binary to Devinal (0x2) + (1x2) + (1x2°) Notes 27 16

You can't change the direction of the wind but can adjust the sail.

M	T	W	Т	F	S	S	
					1	2	
3	4	5	6	7	8	9	20
10		12			15	16	FEB 20
17	18	19	20	21	22	23	E
24	25	26	27	28	29		
-0	RF	KŪ	10	E			
						7	7

January 2020

Week 04

Day 022 - 344

Date 22 - 01 - 2020

22

Wednesday

PRACTICE	1								
INTUIC	-								
00 (.)	37		2.)	92			3.)	120	
				2	92	0			f
.00 => 2	37			2	46	0	2	128	0
2	18	0		2	23	1	2	64	0
.00 2	9			2	11		2	32	0
2	4	0		2	5		2	16	0
.00 2	2	0		2	2	Ō	2	8	0
							2	4	0
0	4						2	2	0
=) 10	0101		=)	101	110	0	1/1/	1.	To the second se
0		Taken as					=> 10	0000	000
					and the second				
0 1) 10	. []			AND THE PROPERTY OF THE PROPER	1	<u> 11) (4) (7)</u>		· ·	
0 1) 10		(1×22	5) 1 (0	(XX)	1 111	211 11/12	,01		
		X2) ((1 2 / 1	11 X				
)		2		4	7	2') +(1×2			
)		8		20	2	2) + (1×2	⇒ II		
	1110	8		0	2	2) + (1 × 2	⇒ II		
2.)	1110	0	,	C	August 1	- 1	⇒ II	(\(\sigma \sigma' \)	+ (ive
	1110	0	,	C	August 1	$(1\times 2^3)+($	⇒ II	(0×2')	+(1X2
	1110	0	,	C	August 1	$(1 \times 2^3) + ($	<i>⇒</i> 11	(0×2')	+ (1×2
	1110	0	,	+ (x	24) + ($(1 \times 2^3) + ($	<i>⇒</i> 11	(0×2')	+ (1×2
2)	1110	0	X 2 ⁵)	+ (x	24) + ($(1\times2^3)+($	(0×2) +	(0×2')	+ (1×2
2)		0	,	+ (x + (x =) 5	24) + ($(1 \times 2^3) + ($	<i>⇒</i> 11	(0×2')	+ (1×2 + (1×2 + (1×2)
2)	1001	0 (1	X 25) 32	+ (x + (x =) 5	24) + ((1×2³)+((0×2) + 0 16	2	0
2)		0 (1	X 25) 32	+ (x + (x =) 5	2') + (57 (x2')-	$(0\times2^{5})+(0\times2$	$0 \times 2 + 0$ 16 16 $1(\times 2^{1}) + 0$	2	0
2)		0 (1	X 25) 32	+ (x + (x =) 5	2') + (57 (x2')-	(1×2³)+($0 \times 2 + 0$ 16 16 $1(\times 2^{1}) + 0$	2	0
2)		0 (1	X 25) 32	+ (x + (x =) 5	2') + (57 (x2')-	$(0\times2^{5})+(0\times2$	$0 \times 2) + 0$ 16 16 $(1 \times 2^{1}) + 0$ $1 \times 2^{1}) + 0$	2	0

M T	WIFSS	Ĭ.,	2020		
	5 6 7 8 9 0	January			7) /1
10 11	12 13 14 15 16 m 19 20 21 22 23 EL	Week			
-	26 27 28 29	Day 024 Date 24 - 0	1 - 2020		Friday
	and convenience	071 11101	to 01001	data	-104 0:-11
9.00	gets convented	to bicorn	10 8100	ue have	as dua rousi
	tons that sall	Distributed of	Maria di 10	ne nave	Su groonsio
10.00	MATIONS TUDE	on pinary bo	moundan	ta. By	HW WE CONSTON
	voorrow 1910e c	6 oua.	71		es auta toust set oftonsis this we constou
11.00	7	eg > how 13	5 will be s	store d	•
			13	-> 11	0
12.00	To				,
12.00	13 - OFF				
	Ty - OFF				
1.00	T5 -OFF	→ Sothis is	DALL TOODS!	stops by	getting ON OFF
	T6 -OFF	Sterus Jata	in binanu	COL	
2.00	T8 -0N	T-OFF = C	/	N= 1	
	TO -OFF		1 110		
3.00		(F2)	(F2) (F3)		Landar January
	de de la companya de	(I3)		()	co sat al 2 to 2.
4.00			0 0	= 0	so set of 3 tronsis
		0		- 0	of violation area
5.00		0	1 0	= 2	different no so
,,,,		0		= 3	toursisters become
(00			0 0	= 4	very efficient.
6.00			0 1	= 5	
		1	1 0	= 6	
7.00			12 (10)	=7	
			1		
-	Monre Laux E	VETW QUECUS	anch tool	isis toru	in 10 doubles
a	Moore Low: E atronsistor siz	e de cor aver	1.0		
Notes	201000000000000000000000000000000000000				
-	Jananasa	d combiter	cin called	Machine	1 1000 man of Rings
-	- Aunguage	- D company	w cumu	r touritt	(Language (Binary)
1,		deal tout to	alish Lange	000 2 M	alle much le 11-
D	m me bookir cu	CONSTOUT THE	guan Longu	uye ciri	aths much better
_	Sul	king about your mistakes	only leads to future	ones.	

25 Saturday

January 2020

Week 04

Day 025 - 341

Date 25 - 01 - 2020

M T W T F S S

1 2 3 4 5

2 6 7 8 9 10 11 12

2 13 14 15 16 17 18 19

2 20 21 22 23 24 25 26

27 28 29 30 31

9 00	so we code in high well to	onguage that	gets convented to
	*		
10.00	But earlier programmers using binary language on Assembler that made pr code in Assembly langua used to covert it to binary	used to commu	nicate with computers
11.00	assembles that make or	Paramore of the paramore of th	Brogrammer used to
	and in Assembly langer	ins Ethen as	attuar assembler
12.00	10 west (might it to himme	9 reverse	but to make A
	much Simplex	1	
1.00			
	> Come high lund to write code that may was	el Jananaar +h	at used English
2.00	to write code that me	ode coding ve	ry easy to interpret
	convert it to binary was	time by Softw	are compiler / inter
3.00	buter.		-
4.00	Mochine	Assembly	High Level
	Language	Longvogé	Longlinge
5.00	0 0	V ()	<u> </u>
(5.6		slow	Mich alxino
6,00	Fast	SIVO	- much slaver
7.00	10 to todows world me	hue huge date	2 that must be stone !
	year elliciently sigh the	nt it must tou	2 line shows & to fetch
tob	very efficiently such the	otime.	cors space 2 to free
Nor	ones Eind &	joal - among e	data efficiently
	Some must be cade		
	COUNTY TO YOUR		
	The first step to getting the things you	want out of life is this: Dec	eide what you want.

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 29	January 2 Week 04 Day 026 - 3 Date 26 - 01 -	340		26 Sunday
* Calculating	sum upto n n	0-	1 11	
V	-) SO OUT (0)	de numt de	such that	A MUS
10.00 Code 1	take least to	me to calcu		
1+2+3	^		Code	Q (0)1
11.00	noretme	- Au	St formula	11*(1)+1
	onsum ma		much fastes	
12.00	3 30 11 11	=	nwan rastry	
1.00 ** Lecture 1			7	
- Convent	Decimal to binar	Ч		
3.001.) 2 37 1	2) 2 92 0		128	
2 10 0	2 46 0		2 12	80
240	2 23 1		2 64	0
5.00 2 2 0	2 11 1		2 32	- 0
)	2 16	0
6.00 -> 100101			0 1	0
100101	->1011100	<u>,</u>	2 2	0
7.00	1011100		2 2	
	į Į)	10000000	
243 2 2	43 1		1000000[
2 12	-1 1			
Notes 2 6	00 -) 1	1110011		
2 3	0 0			on the desire the second secon
2 15				
2	1 +			and the second s
2 2				The second second
The true measu	re of the value of any busine	ss leader or manager is	performance.	

January 2020

Week 05

Day 027 - 339

M 1 W 1 F S S

1 2 3 4 5

1 6 7 8 9 10 11 12

X 13 14 15 16 17 18 19

20 21 22 23 24 25 26

27 28 29 30 31

Date 27 - 01 - 2020 - Convert Binary to Jewimal $\Rightarrow (1 \times 2^{3}) + (0 \times 2^{2}) + (1 \times 2^{6}) + (1 \times 2^{6})$ 10.00 11.00 111001 2.) $\Rightarrow (1\times2^{5}) + (1\times2^{4}) + (1\times2^{3}) + (0\times2^{2}) + (0\times2^{4}) + (1\times2^{9})$ 12.00 157 3) 10011011 $\rightarrow (1 \times 2^{\frac{1}{2}}) + (0 \times 2^{\frac{6}{2}}) + (0 \times 2^{\frac{5}{2}}) + (1 \times 2^{\frac{1}{2}}) + (1 \times 2^{\frac{3}{2}}) + (0 \times 2^{\frac{5}{2}}) + (0$ $(1 \times 2') + (1 \times 2^{\circ}) \Rightarrow 155$ 2.00 4) 10100100 3.00 $=(1\times2^{7})+(0\times2^{6})+(1\times2^{5})+(0\times2^{4})+(0\times2^{3})+(1\times2^{2})+(0\times2^{4})$ + (0×2°) = 128+32+4 4.00 164 5.00 Decimal to Octal 28 29-6.00 34 7.00 2)47 57 Notes

Everything that irritates us about others can lead us to an understanding of ourselves.

M T	January 2020	20
	1 12 13 14 15 16 mg Week 05	20
17 18 24 25	5 26 27 28 29	Tuesday
	3.) 928 Date 28 - 01 - 2020	Tucsday
9.00	D 928 0	171.
	8 14 6	1640
10.00	8 14 6	
11.00	4.) 1243	
	8 1243 3	
12.00	9 155 3	2333
	8 19 3	-)
1.00	2	
2.00		11
_	- octal to blin dumal	
3.00	1) 41 > 4x8 + 1>	(8) -> 133
		+ 7x8° -> 128+7-> 135
4.00	3.) $124 \rightarrow 1 \times 8^2 + 2 \times 8$	+4x8° > 64+16+4, 84
	4.) 311 -> 3x 82 + 1x8'	+ 1×8° -> 192+8+1 -> 201
5.00		201
	- Decimal to Hexa duinal	
6.00		D
	16 19	3 => 130
7.00	1	
	2.) 41	3) 14 -> 16 14/F
	16 41 9	0
Notes	$\frac{16}{2} = \frac{2}{7} = \frac{7}{2}$	
	0	7) [
-		
-	Good judgment comes from experience and experience comes	from poor judgment,

7	0
Lond	

Notes

Wednesday

January 2020

Week 05

Day 029 - 337

Date 29 - 01 - 2020

M T W T F S S

1 2 3 4 5

0 6 7 8 9 10 11 12

13 14 15 16 17 18 19

20 21 22 23 24 25 26

27 28 29 30 31

	4.) 845
9.00	16 845 D
	16 52 4 3 340
10.00	3
11.00	- Hexaderimal to decimal
	industry and the control of the cont
12.00	1.) A11
1.00	$\Rightarrow (10 \times 16^{\circ}) + (1 \times 16^{\circ}) + (1 \times 16^{\circ}) \Rightarrow 2560 + 16 + 1$
	⇒) 2577 —)
2.00	2.) 49
3.00	\Rightarrow $(4 \times 16') + (9 \times 16') \Rightarrow 64 + 9 \Rightarrow 73$
	3) AE2F
4.00	
	$(19 \times 16) + (2 \times 16) + (15 \times 16)$
5.00	10100 F 35 69 + 32 + 15
	> 44591
6.00	4.) 097
7.00	$\frac{3}{3}$ (13x 16 ²) + (9x 16) + (7x 16°)
	=) 3328 + 144 + 7
	3 347 9