

Annual construction of the contract of the con	DATE
X H	exaDecimal system (Base 16) Fromal Notation (-)16
)>	Fromal Notation ( - ),
3	
Jex.	. Convert From Hexa Decimal to Decimal
-	BOFF
<b>y</b>	163XB , 162X6+ 161X5 + 160XF
<b>3</b>	163×11 + 162×6 + 16'×5 + 160 × 15
•	$=(46.687)_{10}$
3	
- Note	2: Hexa Decimal used to represent long strings
	$r example (1011)_{-}(B)_{16} = (11)_{10}$
<b></b>	2 (13)16 = (11)10
1)	$1 \times 0^{3} + 0 \times 9^{2} + 9 \times 1 + 2^{\circ} \times 1$
	$=(11)_{10}$ $-(B)_{10}$
	= (1±/10 = (D)/16
A Ma	re about Binary system:
	The digits in a Binary number are called Bits
	Computer Capacity given in bytes, byte
	sequal eight Bits
	Plase See Sligles Number 96 and 27 and
	KeeP (imPortant information)
)	
* C	onversions law
	Convert From any system to any system
y	fou must convert to decimal firstly Then
	Convert From decimal to any system
	octal > Docimal > Binary
	Birary > Decimal > octal
	and Soon
and the second s	

ramples	
Simple and the second of the s	
From Decimal to Binary	
$(13)_{10} = (1011)_2$	1319 1
(1)/10-(1)/2	19 0
2003 2001	2 9 1
	101
From Decimal to Binary	
$(0.625)_{10} = (0.101)_{2}$	a 10540 1105
	0.625 x 2 = 11-25
	0.25×2=01-5
· · · · · · · · · · · · · · · · · · ·	0.5x2-110
T 7-01 1 1 001 1	
From Decimal to Octal	17-10 7
~ (175) <sub>10</sub> = (257) <sub>8</sub>	175 8 7
	21 8 5
· (0.3125)10 = (0.24)0	2 8 2
· · · · · · · · · · · · · · · · · · ·	010=10 [0]:-
	0.3125x8-1215
From Decimal to Hexadecima	1 0.5 X 8 - 141-0
->(175)10 = (AF)16	turnus.
2(110)/10-1111/16	175, 16 15-1- 10 16 10-A
->(0.3125) <sub>10</sub> - (0.5) <sub>16</sub>	
0/10	0-3125 X16 = 50
for more example See sl	ides From 34 to 47
	0
	Good luck
	maning and the contract of the