Binory Number System in the context of computer In the Number System, we basis perform the calculations Decimal - 70-9 Base 10) Dec 10 dig Binory 2dig Octal Octal 8 dig Hexadecinal -> 0-15 Box 16 Kexa decinal 0-9-A,B,G,B,E,F 10,11,1213,14,15 16 CONVERSIONS 0= Decimal to Binary Binary to Decimal for example (101010) 2+2+2+2+2+2 21-0 32+16+8+4+2+1 check which one is ONTOFF OR 1×32+0×16+1×8+0×4+ 101010 1×2+1×0 = 32 + 8 + 2= 42

7 Pow # = 2
pow = pow " 10 binnum = 10
pow) and = binnon #
decrion = decrion /2 / lan = binnon / 10
rem = decision 1/2/ while binnon 70) {
-
Binary Howber 3 and = 0
Since be a second of the secon
5
201010 - (101010)
32 16 8 421
25 24 23 22 2 2 2 1
occupie
42-32=10-8= From Some spaces will be
ogic for Binary Corre
-> Man to soision on well e-

Two's complement		
As we know int takes 4 bytes		
· int - > 4 bytes> 8 bits = 1 byte ->		
32 bits		
int n=10 (1010)2		
In venory		
32 bits Callocated;		
In case of the 1010		
1 number		
irt r = -10		
I the backerd		
1) Binary	(10110)2	
10=(1010)	Now, we must know that the	
@ Prefix with a zero	particular binary form is	
01010 70-7100	of a regalidet number.	
J MS 1-7-UE	10110	
Most (MS)	1 2' complement	
Significant (3) 1's Complement	01001	
0-71 1-70	0(1001)	
01010	L'Explacking it as it	
10101	represents the direction.	
9 Now Added 1	01001	
10101	+1	
	01010	
(10/10)2	0(1010)->(10)	
Final form	(-10)	
to be stored		