	Decimal, Binary, Octal, and Hexadecimal Number Systems															
Decimal	Decimal 0 1 2 3 4 5 6 7 8 9															
Binay	0	1														
Octal	0	1	2	3	4	5	6	7	8							
Hexa	0	1	2	3	4	5	6	7	8	9	Α	В	С	D	Е	F

Decir	nal Un	ique n	umbe	r usinį	g a spe	ecific r	numbe	er of bi	ts	Total Unique Numbers
1 Bit Fixed	d Sized									
0	1	2	9	10 ^ 1 = 10						
2 Bit Fixed	d Size									
00	01	02	03	04	05	06	07	80	09	
10	11	12	13	14	15	16	17	18	19	
20	21	22	23	24	25	26	27	28	29	
30	31	32	33	34	35	36	37	38	39	
40	41	42	43	44	45	46	47	48	49	
50	51	52	53	54	55	56	57	58	59	
60	61	62	63	64	65	66	67	68	69	
70	71	72	73	74	75	76	77	78	79	
80	81	82	83	84	85	86	87	88	89	
90	91	92	93	94	95	96	97	98	99	10 ^ 2 = 100

Bi	inary Unio	que nu	ımber	S	Total Unique Numbers			
	xed Size							
0	1							2 ^ 1 = 2
	•							
2 Bit Fi	xed Size							
00	01							
10	11							2 ^ 2 = 4
	•			-	-			
3 Bit Fix	xed Sized							
000	001							
010	011							
100	101							
110	111							2 ^ 3 = 8
4 Bit Fi	xed Size							
0000	0001							
0010	0011							
0100	0101							
0110	0111							

1000	1001				
1010	1011				
1100	1101				
1110	1111				

			Conv	versio	n Fron	ı Deci	mal to	Binar	У						
2	2 245														
2	122	1													
2	61	0													
2	30	1													
2	15	0													
2	7	1													
2	3	1													
	1	1	=	1	1	1	1	0	1	0	1				

				Conv	/ersio	n From	ı Binaı	y to D	ecima	l				
1	1 1 1 0 1 0 1													
2^7		2^6	2^5	2^4	2^3	2^2	2^1	2^0						
1	128 64 32 16 0 4 0 1 245													

			Co	nversi	on Fro	m Bin	ary to	Octal							
	1 1 1 1 0 1 0 1														
	0	1	1	1	1	0	1	0	1						
Octal	3			6			5			=	265				

		C	onver	sion F	rom B	inary t	о Нех	adecii	nal						
	1 1 1 1 0 1 0 1														
	1 1 1 0 1 0 1														
Hexa		F				5				=	F5				

	Conversion From Binary to Base64														
	1 1 1 1 0 1 0 1														
	00	00	1	1	1 1 0 1 0 1										
Неха		1)					=	D1						