

Session 1 Exercises

Exercise 1: Pass the decimal to binary, and vice versa. Write the answer in the corresponding column:

Binary	Decimal	Decimal	Binary
01		1	
1101		7	
1100		9	
1111		12	
0011		34	
0101		32	
1010		33	
0000		01	
000000		00001	
110011		100	
10101		205	
0100011		63	
01111000		64	
0110011		4	
000000011		56	
11011		62	
011		1023	
100000001		0000	
00110		015	

Exercise 2: Convert among them the following hexadecimal and binary numbers. Write the answer in the corresponding column.

Hexadecimal	Binary
12A	
3C0	
4	
FF	
D1A	
11	
	00100110
	010100001
	11001101100
	10000
	1000