

BCD NUMBER

- Meaning of BCD – "Binary Coded Decimal", is a method that use binary digits 0 which represent "off" and 1 which represent "on".
- It is used to represent each decimal digit (0 through 9)
- The configuration of BCD is "8421"
- It is a 4 bit binary called a nibble .
- The BCD code described above is more precisely known as the 8421 BCD code, with 8, 4, 2 and 1 representing the weights of different bits in the four-bit groups, starting from MSB and proceeding towards LSB.

Decimal	Binary	BCD
0	0000 0000	0000 0000
1	0000 0001	0000 0001
2	0000 0010	0000 0010
3	0000 0011	0000 0011
4	0000 0100	0000 0100
5	0000 0101	0000 0101
6	0000 0110	0000 0110
7	0000 0111	0000 0111
8	0000 1000	0000 1000
9	0000 1001	0000 1001
10	0000 1010	0001 0000
11	0000 1011	0001 0001
12	0000 1100	0001 0010
13	0000 1101	0001 0011
14	0000 1110	0001 0100
15	0000 1111	0001 0101

BINARY CODES

- Binary codes are codes which are represented in binary system with modification from the original ones. Below we will be seeing the following:
- Weighted Binary Systems
- Non Weighted Codes