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BCD code

→ This is the code which represents each decimal digit is represented by a 4-bit binary number. For example, “12” will be represened by “0001 0010” where the leftmost four bits (0001) represent the digit “1” and the rightmost 4 bits (0010) representing the digit “2”. this code is mainly used in electronic devices which have to display or process decimal numbers such as digital clocks,claculators, etc.

Gray code

→ This is the code in which two consecutive value differ by one bit. The decimal number are reppresented in binary and the pattern changesgradually as the number increments as each bit is dependent on the previous bit. It is mainly used for crytography.

Self complimenting code

→ This is the code in which the binary representation of the decimal number is stored after 1’s complimenting the binary number.

Weighted code

→ This is the code where each bit has a weight assignes to them. For example the binary number 1001 has weight 8 4 2 1 then the rightmost bit will have value eight.