

What is number system ?

Ans: The **number system** is used for representing the information. The **number system** has different bases and the most common of them are the decimal, binary, octal, and hexadecimal. The base or radix of the **number system** is the total **number** of the digit used in the **number system**

How many types of number system ?

Ans: We have 4 major type number .

1. Binary numbers (0,1)

2. Octal numbers (0-7)

3. Hexadecimal numbers (0-F)

4. Decimal numbers (0-9)

Binary:

a binary number is a number expressed in the base-2 numeral system or binary numeral system, which uses only two symbols: typically "0" and "1".

Octal:

The **octal** numeral system, or oct for short, is the base-8 number system, and uses the digits 0 to 7

Decimal:

A **Decimal system** uses 10 different digits, 0 to 9 giving it a base of 10.

Hexa-decimal:

The word "**Hexadecimal**" means sixteen because this type of digital **numbering system** uses 16 different **digits** from 0-to-9, and A-to-F