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NUMBER SYSTEMS

- □ Number System Defined
- □ Types of Number System
- □ Conversion from Decimal Number Base System to Any Number Base System
- □ Conversion from Other Number Base System to Decimal Number System

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System

System

Number System Defined Number System It is a system that uses distinct symbols to represent a number inside the computer's memory Base or Radix This refers to the number of different symbols (digits) required to represent any given number

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Types of Number System **Numeral** Base **Valid Values** (N) System 2 0, 1 Binary Octal 8 0, 1, 2,3, 4, 5, 6, 7 Decimal 10 0, 1, 2,3, 4, ... 9 0, 1, 2,3, 4, ... 9, A-F Where: Hexadecimal 16 A=10; B=11; C=12; D=13; E=14; F=15

NUMBER SYSTEMS

□ Conversion from Binary Number Base System

Number Base System to Binary Number Base

□ Conversion of Fractions: Decimal to Any Bases□ Conversion of Fractions: Any Bases to Decimal

to Octal and Hexadecimal Number Base

□ Conversion from Octal and Hexadecimal

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