Mindluster Platform

About the course Number System Basics in Digital Electronics

Number System Basics course in hindi, in this course Explore the fundamentals of various numerical representations, including decimal, binary, octal, and hexadecimal systems in this course.

Mathematics Category's Courses

Course Lesson(39)

Lesson 1 :
Representation of Number Systems and Basics of Number System Binary Ternary Octal Hexadecimal

Lesson 2 : **Addition operation in Different Number systems Binary Octal Hexadecimal Addition**

Lesson 3 :
Subtraction operation in Different Number Systems Binary Octal and Hexadecimal Subtraction

Lesson 4 : **Octal and Binary Multiplication Number System Multiplication DigitalElectronics**

Lesson 5 :
Decimal to Binary Conversion Decimal to Binary Conversion Process and Examples DigitalElectronics

Lesson 6 :
Decimal to Octal Conversion Decimal to Octal Conversion Process and Examples DigitalElectronics

Lesson 7 :
Decimal to Hexadecimal Conversion Decimal to Hexadecimal Conversion Process and Examples

Lesson 8 : **Octal Binary and Hexadecimal to Decimal conversion and Visa Versa DigitalElectronics**

Lesson 9 : **Hexadecimal to Binary to Octal conversion and Visa versa DigitalElectronics**

Lesson 10 :
X Number System to Y Number System conversion Number System Conversion DigitalElectronics

Lesson 11 : **1 s 2 s Compliment 7 s 8 s Compliment 9 s 10 s Compliment and 15 s 16 s Compliment**

Lesson 12 :
Simple Signed Representation Example and Block Diagram of Simple Signed Representation

Lesson 13 :
1 s compliment signed Representation Example Block diagram of 1 s compliment signed Representatio

Lesson 14 :
2 s compliment signed Representation Example Blockdiagram of 2 s compliment signed Representation

Lesson 15 :
1 s compliment signed Representation and 2 s compliment signed Representation Examples

Lesson 16 : **Shortcut Method to find 2 s compliment 2 s Compliment Examples DigitalElectronics**

Lesson 17 :
Binary Subtraction using 1 s compliment Process of Binary Subtraction using 1 s compliment

Lesson 18 :
Binary Subtraction using 2 s compliment Process of Binary Subtraction using 2 s compliment

Lesson 19 :
Classification of Codes Definition Weighted Non Weighted Reflecting Sequential Alphanumeric

Lesson 20 :
BCD code Binary Coded Decimal Code Binary and BCD Comparison Decimal to BCD Code Conversion

Lesson 21 : **BCD Addition BCD Addition Rules BCD Addition Examples DigitalElectronics**

Lesson 22 :
BCD to Binary conversion BCD to Binary conversion Process BCD to Binary conversion Examples

Lesson 23 :
Binary to BCD conversion Process of Binary to BCD conversion Binary to BCD conversion Examples

Lesson 24 :
2421 BCD code and 2 421 BCD code Self Complimentary Property of 2421 BCD Code DigitalElectronics

Lesson 25 :
Excess 3 Code Excess 3 Code Properties Decimal to Excess 3 Code Conversion DigitalElectronics

Lesson 26 :
Excess 3 Addition Excess 3 Addition Process Excess 3 Addition Examples DigitalElectronics

Lesson 27 : **Identification of self complimenting code Digital Electronics Digital Logic Design**

Lesson 28 : **ASCII code American Standard Code for Information Interchange DigitalElectronics**

Lesson 29 :
Gray Code Basics Properties Gray Code as self reflection code Gray Code as unit distance code

Lesson 30 : **Binary to Gray code conversion Binary to Gray code conversion process and Examples**

Lesson 31 : **Gray to Binary Code conversion Gray to Binary Code conversion process and Examples**

Lesson 32 : **Identification of Base or Radix of given number Radix Identification Base Identification**

Lesson 33 :
Total bits required to represent a number Bits Identification for given number DigitalElectronics

Lesson 34 : **Minimal Decimal Equivalent Minimal Decimal Equivalent Examples DigitalElectronics**

Lesson 35 :
Hamming Code Basics Number of Parity bits in Hamming code Find Parity bits in Hamming code

Lesson 36 :
Hamming Code generation Position of Parity bits and Calculation of Parity bits in Hamming Code

Lesson 37 : **Hamming Code error detection and Hamming Code error correction DigitalElectronics**

Lesson 38 : **IEEE 754 floating point single precision 32 bit format DigitalElectronics**

Lesson 39 : **IEEE 754 floating point double precision 64 bit format DigitalElectronics**

Related courses

Real numbers

Statistics

Quadratic Equation

Polynomials

Pair of Linear Equations in Two Variables

Coordinate Geometry



for Business Contact
business@mindluster.com