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**ASSIGNMENT**

Q1) Why hexadecimal is more effective than Binary?

Answer: Hexadecimal is more effective than Binary because hexadecimal represents a base of 16 which means that a given number is equally less than in binary. Hexadecimal can represents 0-15 digits and Binary represents 0-1 digits.

Q2) Contrast and compare Binary, Hexadecimal and Decimal Numbering system

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| --- | --- | --- |
| Binary | Hexadecimal | Decimal Numbering system |
| 1. It represents base 2 which includes 0 and 1 digit. | 1. It represents base 16, which includes 0-9,A,B,C,D,E,F | 1. It represents base 10, which includes 0-9 digits. |
| 1. Computers use binary numbering system. | 2)Humans use hexadecimal system. It is also used in MAC ADDRESSES. | 2) Decimal number system are used in microprocessor programming. |
| 1. The radix for binary numbers is 2 and also known as base 2 numbers. | 3)The radix for hexa decimal is 16 and also represents the power of 16. | 3) The radix for decimal number system is 10 and also known as base 10 numbers. |