Data Representation in Computer and C Contents

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 1. Unsigned Data Representation
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2. Min and Max value of n bit Unsigned Integer is $[0 \text{ to } 2^n - 1]$

1. Unsigned Numbers are positive numbers

1.1. C Program to print Binary Representation of Unsigned Integers

2. Signed Data Representation1. Signed Numbers handle both +ve and -ve numbers, there range is smaller than unsigned Numbers

The Left most bit is called MSB (Most Significant Bit) as this bit holds the highest value
 Right most bit is called LSB (Least Significant Bit)
 In n bit Signed Number MSB is reserved as sign bit 1 for -ve and 0 for +ve numbers

6. Range of n bit Signed Number is []

5. Rest n-1 bit hold the value of number

3. Floating Point Number Representation