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1's COMPLEMENT

1's complement: It is the value obtained by inverting all the bits in binary representation

For Example : $(1010001101010)_2$

We have to convert 1 to 0 and 0 to 1

⇒ Converted form

⇒ $(0101110010101)_2$

2's COMPLEMENT

Here in the 2's complement we have to take 1's complement by inverting all bits in binary representation and then add 1 to obtain 2's complement

For example 1010001110101

1's complement

⇒ 0101110001010

2's complement

⇒ 0101110001010
+ 1

0101110001011

⇒ $(0101110001011)_2$