Python Bitwise Operators

Operator	Name	Description	Example	Result
&	AND	Logical and between two binary numbers	a & b	17
|	OR	Logical or between two binary numbers	a | b	19
^	XOR	Logical xor between two binary numbers	a ^ b	2
~	NOT	Inverts all bits of a binary number	~ b	-20
<<	Binary Left Shift	The left operand value is moved left by the number of bits specified by the right operand.	a << 2	68
>>	Binary Right Shift	The left operand value is moved right by the number of bits specified by the right operand.	a >> 2	4

In the binary system, the following tables show how the operators (AND, OR, XOR) work:

A	B	A AND B
0	0	0
0	1	0
1	0	0
1	1	1

A	B	A OR B
0	0	0
0	1	1
1	0	1
1	1	1

A	B	A XOR B
0	0	0
0	1	1
1	0	1
1	1	0

To find more about binary system visit:

https://medium.com/@LindaVivah/learn-how-to-read-binary-in-5-minutes- dac1feb991e

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