





Logical Operators

Let's understand the purpose of logical operators!

We'll cover the following ^

- Logical Expressions
- Bit Value

Logical operators are used to manipulate the logic of *Boolean expressions*.

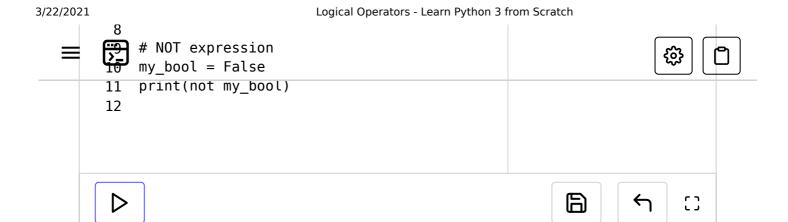
Operator	Purpose	Notation
and	AND	In-fix
or	OR	In-fix
not	NOT	Prefix

Logical Expressions

Logical expressions are formed using Booleans and logical operators.

Below, we can find some examples:

```
1 # OR Expression
2 my_bool = True or False
3 print(my_bool)
4
5 # AND Expression
6 my_bool = True and False
7 print(my_bool)
```



Bit Value

All the code we see around us in today's world is actually made up of bits. Combinations of 1 s and 0 s form the foundation of programming.

In bit terms, the value of True is 1. False corresponds to 0:



The Python compiler can automatically convert the bool to its numerical form when needed.

We will now move on to the last family of operators known as **bitwise operators**.

