



JONAS.IO  
SCHMEDTMANN

# THE COMPLETE JAVASCRIPT COURSE

FROM ZERO TO EXPERT!



@JONASSCHMEDTMAN

SECTION

JAVASCRIPT FUNDAMENTALS - PART 1

LECTURE

BOOLEAN LOGIC



# BASIC BOOLEAN LOGIC: THE AND, OR & NOT OPERATORS

## A AND B

"Sarah has a driver's license  
**AND** good vision"

Possible values

		A	
		TRUE	FALSE
B	TRUE	TRUE	FALSE
	FALSE	FALSE	FALSE

Results of operation, depending on 2 variables

👉  
true when **ALL** are true

↖ No matter how many variables

## A OR B

"Sarah has a driver's license  
**OR** good vision"

Possible values

		A	
		TRUE	FALSE
B	TRUE	TRUE	TRUE
	FALSE	TRUE	FALSE

👉  
true when **ONE** is true

## NOT A, NOT B



Inverts true/false value

### 👉 EXAMPLE:

A: Sarah has a driver's license

B: Sarah has good vision

↖ Boolean variables that can be either TRUE or FALSE

# AN EXAMPLE 🧑💻

## BOOLEAN VARIABLES

👉 A: Age is greater or equal 20

false

👉 B: Age is less than 30

true

age = 16

## LET'S USE OPERATORS!

👉 !A

false

true

👉 A AND B

false

true

false

👉 A OR B

false

true

true

👉 !A AND B

true

true

true

👉 A OR !B

false

false

false

		A	
B	AND	TRUE	FALSE
	TRUE	TRUE	FALSE
	FALSE	FALSE	FALSE

		A	
B	OR	TRUE	FALSE
	TRUE	TRUE	TRUE
	FALSE	TRUE	FALSE