# **SYNTAX JAVASCRIPT!!!**

Instruction

* You need to complete the **XXXXX** part with the JAVASCRIPT equivalent code
* You can work in team or by yourself –
  + Search on internet
  + or read the **1-Javascript Cheat Sheet.pdf**
  + <https://www.w3schools.com/js/default.asp>
* **IMPORTANT** : you need to test the code before writing it !!!

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|  | **JAVASCRIPT** |
| **BOOLEAN**  **OPERATORS** | IS EQUAL, IS GREATER  console.log(5 >= 3);  // Expected output: true  AND / OR / NOT  And // (x < 10 && y > 1) is true  Or // (x == 5 || y == 5) is false  Not // !(x == y) is true |
| **TYPES** | CONVERT A STRING TO INTEGER  **XXXXXXXXXXXXXXXXX**  CONVERT A INTEGER TO STRING  let num = 15;   let text = num.toString();   console.log(text) |
| **FUNCTION** | DEFINE A FUNCTION  **XXXXXXXXXXXXXXXXXXX**  DEFINE AN ARRAY FUNCTION  **XXXXX** |
| **DATA**  **STRUCTURES** | **ARRAY**  # Create empty array  **XXXXXXXXXXXXXXX**  # Create array with values  **XXXXXXXXXXXX**  # Access using index  **XXXXXXXXXXXXXXXXX**  # Insert value at index  **XXXXXXXXXXXXXXX**  # Insert value at the end  **XXXXX**  # Remove using index  **XXXXX**  # Get a sub array  **XXXXX**  **ARRAY 2D**  # Create array2D with values  **XXXXX**  # Access using index  **XXXXX**  **OBJECT**  # Create empty object  **XXXXX**  # Create array with values  **XXXXX**  # Access using **key**  **XXXXX**  # Add value for a new key  **XXXXX**  # Update value from existing key  **XXXXX**  # Remove using key  **XXXXX** |

**Q2 The 3 ways to declare a variable in JS**

var a = 4

Let a = 4

const a = 4

* Can you explain what the differences?