# **SYNTAX JAVASCRIPT!!! - PART 1**

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** |
| **COMMENTS** | SINGLE LINE COMMENT  **//**  MULTI LINE COMMENT  **/\*** |
| **LOOPS** | **For loop**  for (let i = 0; i < cars.length; i++) {   text += cars[i] + "<br>"; }  **For in loop**  For(key in object){  }  **For of loop**  for (variable of iterable) {    }  **while loop**  while (*condition*) {  } |
| **CONDITION** | if (*condition*) {   //*block of code to be executed if the condition is true* } else {   //*block of code to be executed if the condition is false* } |
| **OUTPUT** | WRITE ON BROWSER CONSOLE  Console.log(“Hello Js”);  WRITE ON HTML DOCUMENT  document.write("Hello Js");  DISPLAY AN ALERT  alert("Hello Js"); |
| **NUMBER**  **OPERATORS** | INCREMENT A VARIABLE VALUE  Let a = 0;  a++;  MODULO  **Console.log(13 % 5 )**  **Out put = 3**  POWER  **Console.log(5 \* 2 )**  **Out put = 10** |
| **STRING**  **OPERATORS** | CONCATENATE STRINGS  let first = “choub”;  let last = ‘’phearen’’;  let result = first.concat(last);  console.log(result);  out put = choupphearen  REMOVE THE LAST CHARACTERS:  const str = 'Hello World'  const newStr = str.substr(0, str.length - 1)  console.log(newStr) // Output: 'Hello Worl'  REMOVE THE FIRST CHARACTERS:  const char = "phearen";  const rchar = char.slice(2);  console.log(rchar); // Output: ‘earen’  BREAK A LINE   <script type="text/javascript">          alert("Hello there.\nI am on a second line ;-)")      </script>  GET NUMBER OF CHARCTERS  var str = "Hello, world!";      console.log(str.length); //output: 13  GET CHARACTER AT INDEX  let text = "HELLO WORLD";  let letter = text.charAt(2); //output: L |