**Task 2-10th January,2021**

**Abhinaya.D**

1. **Load the rest countries data using your html and script.js file and run a for loop on the data and print all the country name in the console.**



1. **Give a write up on Difference between copy by value and copy by reference.**

|  |  |
| --- | --- |
| Copy by Value | Copy by Reference |
| The data which the variable holds is passed to another variable . | Here objects are copied by reference instead of value. |
| Both the variables refer to two different memory locations. | Actual variable and copied variable both refer to same memory location |
| If contents of Copied variable are changed original variable value from which it is copied remain same | change in data of copied variable will lead to change in data of original variable |

1. **How to copy by value a composite datatype (array+objects).**

**Spread operator**

* We can copy by value for composite date types using spread operator (…).
* Using spready operator, it will clone the object

**JSON.parse() and JSON.stringify()**

* JSON.parse() will take the JSON string and convert to JavaScript Object whereas JSON.Stringify() takes JavaScript Object and transforms to JSON string