Array functions challenge

1.

 <script>

    var arr = [10, 20, 30, 40]

    function cumulativeAddition(arr)

    {

        let myArray = arr.reduce(function(pre, curr)

        {

            return pre + curr

        })

        myArray = myArray + ", " + arr.length

        console.log(myArray)

    }

    cumulativeAddition(arr)

    </script>

2. //داليا غششتني

<script>

    let text = 'we are cse students from arab american university cse students is the best csehi';

    let newText = []

    function convertStringToArray(){

        newText = text.split(" ");

        return newText

    }

    console.log(convertStringToArray(newText))

    function convertToUpperCase(){

        return newText.map(function(word){

            return word.toUpperCase()

        })

    }

    console.log(convertToUpperCase())

    function filterArray(){

        return newText.filter(function(str){

            return str.includes("cse")

        })

    }

    console.log(filterArray())

    </script>

3. Search Task

Undefined means a variable has been declared but not yet been assigned a value.

Null is an assignment value, it can be assigned to a variable as a representation of no value.

    <script>

        var text

        console.log(text) //undefined

        //يعني لسا ما أدرجتله قيمة فبعرفش شو فيه

        text = null

        console.log(text) //null

        //هون صرت أعرف إنه فاضي أي null.

    </script>

The type of null is object and I don’t know why.

يعطيكم العافية، جزيتم عنا خيراً.