**Lab1**

1. Swap the values of two variables using destructuring
2. Using rest parameter and spread operator return max value from any array note: array length is not fixed return min and max value and display each of them separately after function calling

Do all this using function

1. Create a student literal object that contains: name, University, faculty, and final grade, and use print his data in the console using template literals ${} serach about it

***Format* :{Std\_name} is a student in faculty of {fac\_name} in university {Uni\_name}And his final grad is {grad}.**

1. Make a set that holds countries names.
   1. Try to add repeated names, will the set accept it?
   2. Print the set values using spread operator and using for…of.
   3. return the numbers of repeated items in set how can make it :).
2. Make a Map that contains the student name as a key, and object that contains an array of his studied courses and his grade in each course. (The object structure as following: {“negm”:[

{Coursename:”JavaScript”, Grade:”Excellent”},

{Coursename:”Jquery”, Grade:”Good”},

{Coursename:”React”, Grade:”V.Good”},

{Coursename:”ESNext”, Grade:”Good},

{Coursename:”NodeJS”, Grade:”V.Good”}]

* 1. Loop in the Map and display each student along with his grades in all courses

* 1. Make a dropdown list and fill it with the student names (from the Map), and when the user selects specific student display his grades in all courses.

6-Study new array api methods then create the following methods and apply

it on this array var fruits = ["apple", "strawberry", "banana", "orange","mango"]

a. test that every element in the given array is a string

b. test that some of array elements starts with "a"

c. generate new array filtered from the given array with only elements that

starts with "b" or "s"

d. generate new array each element of the new array contains a string declaring that you like the give fruit element

e. use forEach to display all elements of the new array from previous point