Exercises

Part 1 :

Exercise 1: In index.js print the name of each company using forEach

Exercise 2: In index.js print the name of each company that started after 1987

Exercise 3: In index.js get only the companies that have category Retail, increment their start by 1 and append in the DOM a div that has the name, the category, the start and the end in paragraphs elements

Exercise 4: In index.js sort the companies based on their end date in asceding order

Exercise 5: In index.js sort the ages array in desceding order

Exercise 6: In index.js print the sum if you add all the ages using reduce

Exercise 7: In index.js make an new object that has the properties of name and category same as the companies[0] and a method print that prints out the name, use object destructuring and ES6 JS

Exercise 8: In index.js create a funcion that takes an unkown number of arguments that are numbers and return their sum;

Exercise 9: In index.js make a function that takes an unkown number of arguments of any type and adds them in an array and returns the array, if the argument is an array it should add it's values to the array that will be returned by the function

Exercise 10:index.js distructure the property street in a variable named street from the object person

Exercise 11: In index.js write a function that everytime you call it, it returns a number that increments starting from 0

Exercise 12: In index.js create a function that distructures the query parameters of a url and adds them in an object as key value pairs and then returns the object

Part 2 :

Exercise 1: In index.js create a function called sum that takes 2 arguments type numbers and returns their sum. If you do not provide the second argument then it will use the value of the first plus 1

Exercise 2: In index.js create a constructor that returns an instance even if you do not add the keyword new

Exercise 3: In index.js Write a JavaScript program to compare two objects to determine if the first one contains equivalent property values to the second one

Exercise 4: In index.js Write a JavaScript program to filter out the specified values from a specified array. Return the original array without the filtered values

Exercise 5: In index.js write a programm that check if a value is null or undefined and returns a string saying what it is

Exercise 6: Write a JavaScript program to target a given value in a nested JSON object, based on the given key

Part 3:

Exercise 1: In index.js Loop and print the properties of person;

Exercise 2: Create a function that you provide an even number and it creates a multi dimensional Array. Example if I give 2 I should get; const array = [[1, 2], [1, 2]]; Then print that last index of the last array.

Exercise 3: Write a console statement that prints a warning of 'please update your browser'?

Exercise 4: Write a console statement that prints an error of 'invalid password'?

Exercise 5: Write a console statement that prints the properties of an element p.

Exercise 6: Write a try catch statement that prints out an error. In both cases it will also print out finally

Exercise 7: Write a switch statement that check and prints out which day do we have, ex Thursday

Exercise 8: Write 5 different ways to check if an object is empty

Exercise 9: Write 4 different ways to find a value in an Array, write your own smart examples

Part 4 :

Exercise 1: Create a function that takes an array as an argument and removes all duplicates;

Exercise 2: Create a function that takes 3 arguments. The first is an array, the seconds is a value and the third is a string. According to the string it will add that

values or remove a value from the begging of the array, or add that value or remove a value from the end of the array.

Exercise 3: Create a function that takes in an array filters everything besides numbers and then make it fail so you can debug it.

Exercise 4: Do the filter Exercise.

Part 5 :

Exercise 1: Concat nums1 into nums2, then clone it into nums3 and find the max and the min number;

Exercise 2: Sum the total score of all the fishermen. Also get the average score and print the names of those that have a score higher then 100

Exercise 3: Write a regular expression that finds all numbers in a string.

Exercise 4: Write a function that checks if scores are all positive numbers and an other function if there is a value that is not a number

Exercise 5: Write a function that takes 2 arguments and checks if both are positive if one is positive and if both are negative.

Part 6 :

Exercise 1: Create a function that takes an array as an argument and removes all duplicates;

Exercise 2: Create a function that takes 3 arguments. The first is an array, the seconds is a value and the third is a string. According to the string it will add that values or remove a value from the begging of the array, or add that value or remove a value from the end of the array.

Exercise 3: Create a function that takes in an array filters everything besides numbers and then make it fail so you can debug it.

Exercise 4: Do the filter Exercise.