**LAB NO.6: ADVANCED JAVASCRIPT**

1. Create a function that calculates the power of 100 of a number entered as a parameter.

Text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, application

Description automatically generated Graphical user interface, application

Description automatically generated

1. Write a javascript function that takes an array of numbers and a target number. The function should find two different numbers in the array that, when added together, give the target number. For example: answer([1,2,3], 4) should return [1,3].

Graphical user interface, text, application, Word

Description automatically generated

Text

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Graphical user interface, application

Description automatically generated Graphical user interface

Description automatically generated

1. Write a javascript function and ask user to enter the age, this function aim to show a message that a person can drive, if the age is greater than or equal to 18 otherwise can’t drive, by using a ternary operator instead of the [if-else](https://www.javascripttutorial.net/javascript-if-else/) statement.

Text

Description automatically generated

Graphical user interface

Description automatically generated Graphical user interface, diagram, application

Description automatically generated

1. Using switch in javascript, write a program to create any four browsers cases of your choice and generate alert (“I am using xyz browser) if user select any one of them.

Graphical user interface, text, application

Description automatically generated with medium confidence

Graphical user interface, application

Description automatically generated

A picture containing graphical user interface

Description automatically generatedGraphical user interface, application

Description automatically generated

1. Write a javascript arrow function named calculateSupply that:
   1. takes 2 arguments: age, amount per day.
   2. calculates the amount consumed for rest of the life (based on a constant max age).
   3. outputs the result to the screen like so: "You will need NN to last you until the ripe old age of X"

Graphical user interface, text, application

Description automatically generated

Graphical user interface, application

Description automatically generatedGraphical user interface, application

Description automatically generated

1. Create an object to hold information on your favorite recipe. It should have properties for title (a string), servings (a number), and ingredients (an array of strings). Write a method “Recipe” that print the separate lines (one console.log statement for each), log the recipe information so it looks like:

Tea

Serves: 2

Ingredients:

Sugar

Tea

Water

Milk

Text

Description automatically generated

Text

Description automatically generated with medium confidence

Graphical user interface, application

Description automatically generatedGraphical user interface, application

Description automatically generated

1. Write a javascript program to get the below object to go from:

let obj = {

my: 'name',

is: 'Rudolf',

the: 'raindeer'

}

// to this:

'my name is Rudolf the raindeer'

Graphical user interface, text, application

Description automatically generated

Graphical user interface, application

Description automatically generatedGraphical user interface, text, application, chat or text message

Description automatically generated

1. Design a Registration form using Bootstrap and validate it using Javascript

A picture containing timeline

Description automatically generated

Graphical user interface, text, application

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Graphical user interface, application

Description automatically generated Graphical user interface, text, application, chat or text message

Description automatically generated