# **Java Script**

Prerequisites : HTML, CSS

**Time estimation to complete the task : 2 Days**

## Task 1 : Basic concepts under Java script

1. Number methods
2. String methods
3. Arrays and Arrays methods
4. Statements
5. Looping conditions
6. Maps
7. JS functions
8. JS Classes
9. JS async and Await
10. jQuery

Have hands-on two Examples with each concept and document it.

## Task 2 :

1. Have two random integer values divide it and display the value
   1. if the value is in decimal display only 2 decimal point
   2. If the value is whole number just display the value
2. Have a String value with length of 10 and display the value
   1. Add $ symbol after each word in that string and
   2. Arrange the string into alphabetical order and display

## Task 3 :

1. Have list of string values and length of list should be 5
   1. Separate even index value in one list and odd index values in another list
   2. Remove Odd index value from the list
   3. Display only Even index value from the list
   4. Add Two more string values after 3rd index of the list and display
   5. Sort the string values in ascending order and display
2. Have list of numeric values with length of 10
   1. Sort the values in ascending order and display
   2. Add one with each value in the list using map and reduce function and Display the list.

## Task 4 :

1. Have list of dictionary with 3 key and values and Length if list should be 3
   1. Iterate the list and display each dictionary
   2. Get the dictionary with the key “selected” and value “True” from the list and Display Each key and values separately.
2. Have a Empty list
   1. Create a dynamic function to add a dictionary to the list until the length of list comes to 10 and make use of conditional statements.

## Task 5 :

1. Create 3 buttons with different action ( addition, subtraction and multiplication)
   1. Make use of classes and create three different functions from each button and declare variables with default values.
   2. While making action to the button corresponding function needs to be called and display the value

## Task 6 :

1. Yet to updated

## Task 7 :

1. Yet to updated