

**Department of Computer Science and Engineering,  
Anna University, Chennai**  
**CS6103 – APPLICATION Development Practices Laboratory**

April 25, 2022, 2021

Week 4

Exercise 4

Year/Sem/Batch: I/ II / N

**Use JavaScript for the following:**

*/\* Functions, arrays, strings, loops, type conversion, objects: \*/*

**Observation (5 Marks)**

1. Create an object *Tv*, with parameters (company, model, resolution) and function mode ( ). Assign default values to the parameters and change the values for the parameters through the user input form. Use function mode ( ) for any relevant operation of your choice.

**Execution (15 Marks)**

2. Sort an array of numbers based on the input in a text box and a choice with three Options (ascending, descending, and frequency distribution). Show output in another text box on the same page.

Ex: if input array=10, 55, 3, 4, 6, 10, 7, 8, 11, 8 and choice=frequency distribution

Frequency distribution={(3,1),(4,1),(6,1),( 7,1),(8,2),(10,2),(11,1),(55,1)}

Hint: for any numeric array (arr) use the statement `arr.sort (function(a, b){return a>b})` to sort the array in ascending order.

3. Count the number the times a particular image is clicked using JavaScript function and display the count in an alert box.

Hint: ``

**Spot(5 Marks)**

4. Get a few names (comma separated) in a text box from user and create an input array. Order the names in the alphabetical order and length order, such that the names increase in their lengths.

Ex: if input=[html, head, body, div, pre, table, form, br, hr, tr, td]

Output=[br, hr, td, tr, div, pre, body, head, html, table]

Hint: use *length* property to check the length of the string.