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SCHOOL OF INFORMATION TECHNOLOGY AND ENGINEERING
B.Sc (Computer Science) - Fall 2021-22
Lab Digital Assessment 2 – JavaScript Objects

Course: Web Development Lab (CSC4002) **Faculty Incharge: Dr.Mareeswari V**

1.	Create a JavaScript conditional statement to sort three numbers. Display an alert box to show the result. **Sample numbers :** 0, -1, 4 ***Output* :** 4, 0, -1
2.	Create a JavaScript conditional statement to find the largest of five numbers. Display an alert box to show the result. **Sample numbers :** -5, -2, -6, 0, -1 ***Output* :** 0
3.	A farmer is asking you to tell him how many legs can be counted among all his animals. The farmer breeds three species: chickens = 2 legs cows = 4 legs pigs = 4 legs The farmer has counted his animals and he gives you a subtotal for each species. You have to implement a function that returns the total number of legs of all the animals. Create a Javascript function that takes three animal count numbers from the user using prompt box and returns the total number of legs of all the animals. Display an alert box to show the result.
4.	Create a Javascript function that checks whether a person can watch a UA15+ rated movie. One of the following two conditions is required for admittance: The person is at least 15 years old. They have parental supervision. The function accepts two parameters, age, and isSupervised. Return a boolean. Write a Javascript function that takes two parameters age and isSupervised from the user using a prompt box and displays the return from a function using an alert box.
5.	Create a Javascript function that takes an array of numbers and returns "Boom!" if the digit 7 appears in the array. Otherwise, return "there is no 7 in the array". **Examples:** sevenBoom([1, 2, 3, 4, 5, 6, 7]) ➞ "Boom!" // 7 contains the number seven. sevenBoom([8, 6, 33, 100]) ➞ "there is no 7 in the array" // None of the items contain 7 within them. sevenBoom([2, 55, 60, 97, 86]) ➞ "Boom!" // 97 contains the number seven.
6.	Given two strings comprised of + and -, return a new string which shows how the two strings interact in the following way: # Compare the first characters of each string, then the next in turn. # "+" against a "+" returns another "+". # "-" against a "-" returns another "-". # "+" against “-” returns "0". # Return the string of characters. **Examples :**

	neutralise("+-+", "+--") → "+-0" neutralise("-+-+-+", "-+-+-+") → "-+-+-+" neutralise("-++-", "-+-+") → "-+00" **Note:** The two strings will be the same length. Create a JavaScript function that takes the two strings and returns the output string after the above comparison.
7.	Create the JavaScript functions to get a random value and display it. a) Between 0 to 1 b) Between 1 to 100 b) Random names from an array.
8.	Develop a JavaScript program to get a date before and after 1 year compares to the current date. **Sample Output:** Current Date : Tue Jun 20 17:21:52 IST 2017 Date before 1 year : Mon Jun 20 17:21:52 IST 2016 Date after 1 year : Wed Jun 20 17:21:52 IST 2018
9.	Develop JavaScript program to calculate your age.
10.	Design a web page displays a digital clock on the rightmost end.