RSC

Week 1 -ReactJs – Assignments – Strats on 21 June 2021

			Develop a Static Web Page with calculator functionalities. The page should support Add, Subtract,Multiply, Divide, Square, Cube,SquareRoot, CubeRoot, Tan etc. The layout should mimic like a calcualor and employ table or flex css features
1	Week 1	Javascript basics	The solution should use Events, DOM Traversal using GetElementById & ByName functions, applicable CSS style sheets
2	Week 1	Javascript basics	Write a program to check whether a string input is numeric or not.
3	Week 1	Javascript basics	Write a program to convert a number to string, and vice versa
4	Week 1	Javascript basics	Write a program to showcase the comparison of "==" & "===" based comparison
5	Week 1	Javascript basics	Write a program to show case var and let key word usage
6	Week 1	Javascript basics	Write a program to store a date in a variable, and print the details in the YYYY-MM-DD HH:MM:SS format
7	Week 1	Javascript basics	Write a program to store a past date in a variable, and print the details in the YYYY-MM-DD HH:MM:SS format
8	Week 1	Javascript basics	Define a String array containing large elements of user names.. Write a code to prefix "Dr" to all odd elements, and "Er" to all even elements
9	Week 1	Javascript basics	Define a String array containing large elements of user names.. Write a code to prefix "Dr" to all odd elements, and "Er" to all even elements And append " San" to all names starting with "Dr"
10	Week 1	Javascript basics	Define a number array containing numerical data, write a logic to extract only prime numers.
11	Week 1	Javascript basics	Store a set of Student(Attributes – Student id, student name,address,city,marks) objects in a array, and perform following operations - Sort based "Student Name"
12	Week 1	Javascript basics	Store a set of Student(Attributes – Student id, student name,address,city,marks) objects in a array, and perform following operations - Sort based "Student Name" & "City"
13	Week 1	Javascript basics	Store a set of Student(Attributes – Student id, student name,address,city,marks) objects in a array, and perform following operations - Remove Students who are all not from Chennai & Bangalore
			Store a set of Student(Attributes – Student id, student name,address,city,marks) objects in a array, and perform following operations - Add 20 marks to all students

14	Week 1	Javascript basics	Store a set of Student(Attributes – Student id, student name,address,city,marks) objects in a array, and perform following operations - Add 20 marks to all students - Add 15 marks to all students who are from pincode 600023 (available part of address attribute)
15	Week 1	Javascript basics	Store a set of Student(Attributes – Student id, student name,address,city,marks) objects in a array, and perform following operations - Search a object in a array by value, and remove the item from array - Iterate and display the details
16	Week 1	Javascript basics	Show case the usage of Const against array variabls, and display the array manipulation such as assigning, adding a new element etc
17	Week 1	Javascript basics	Write a function to add, delete, multiply logic in arrow functions format
18	Week 1	Javascript basics	Write a function that exhibits HOC or HOF. Ie Passing function as function arguments
19	Week 1	Javascript basics	write a function that showcases the destructuring feature in java script
20	Week 1	Javascript basics	Write a function that exhibits spread operator in a function which returns sum of all values being passed
21	Week 1	Javascript basics	Write a function that employs spread operator in a object stucture
22	Week 1	Javascript basics	Write a function to create Animal Class with common methods and properties, and create a child classes that extends the Animal Class
23	Week 1	Javascript basics	Write a Static class that performs whether a given string exists in the input string
24	Week 1	Javascript basics	Write a program to show case the usage of Map
25	Week 1	Javascript basics	Write a program to show case the usage of Weak Map
26	Week 1	Javascript basics	Write a program to show case the concepts of Modules Develop following JS programs - Temperature Conversion - Application Constants - Weather Class
26	Week 1	Javascript basics	Develop a Barrel File that imports all the above code, and re-exports the same or different name
27	Week 1	Javascript basics	Write a program to show case default and named import
28	Week 1	Javascript basics	Write a program to show case * import