

Practise Tasks: April 4th

DSA:

Given a BST, write an efficient function to search a given key in it. The algorithm should return the parent node of the key and print if the key is the left or right node of the parent node. If the key is not present in the BST, the algorithm should be able to determine that.

Arrays

1. Write a simple JavaScript program to join all elements of the following array into a string.
2. Write a JavaScript program which accept a number as input and insert dashes (-) between each two even numbers. For example if you accept 025468 the output should be 0-254-6-8.
3. Write a JavaScript program to find the most frequent item of an array.
4. Write a JavaScript program to compute the sum and product of an array of integers.
5. Write a JavaScript program to remove duplicate items from an array (ignore case sensitivity)

Objects & Strings

1. Write a JavaScript program to get the length of a JavaScript object.
2. Write a JavaScript function to capitalize the first letter of a string
3. Write a JavaScript function to concatenates a given string n times (default is 1)
4. Write a JavaScript function to insert a string within a string at a particular position (default is 1)
5. Write a JavaScript function to chop a string into chunks of a given length.
6. Write a JavaScript function to count the occurrence of a substring in a string.
7. Write a JavaScript function to repeat a string a specified times.
8. Write a JavaScript function to get a part of a string after a specified character.
9. Write a JavaScript function to remove the first occurrence of a given 'search string' from a string.

10. Write a JavaScript function to find a word within a string.