

## ***[Assignment-03]***

1. WAP that will check for brackets in a mathematical expression whether it is balanced or not.

<i>Sample Inputs</i>	<i>Sample Outputs</i>
{{(())(())}}	Closing bracket overflow
[{{(())(())}]	Balanced
[{{(())(())}]	Unmatched
(()){{{[]}{[]}}}	Opening bracket overflow

Recursion problems:

1. Sum of n numbers using recursion in c
2. Matrix multiplication using recursion in c
3. Using recursion in c find the largest element in an array
4. Prime number program in c using recursion
5. Decimal to binary conversion in c using recursion
6. C program for fibonacci series using recursion
7. Reverse a number using recursion in c program
8. Reverse a string using recursion
9. C Program to Check whether a given String is Palindrome or not using Recursion
10. Find factorial of a number using recursion in c program
11. Find sum of digits of a number using recursion using c program
12. Find power of a number using recursion using c program
13. C Program to find Product of 2 Numbers using Recursion
14. C Program to Perform Binary Search using Recursion