

PMCA501P – DATA STRUCTURES AND ALGORITHMS
CAT-1 LAB EXAMINATION

Write a C code (use stack operations). Given an expression of length **n** consisting of some brackets. The task is to print the bracket numbers when the expression is being parsed. If the close bracket read is not matching with open bracket print 0

Example:

Input:

(a+b)*(c-d)

Output:

1 1 2 2

Input:

{{{ }

Output:

1 2 3 3

Input:

{{{

Output:

1 2 3

Input:

((()))

Output:

1 2 3 3 2 1

Input:

a+b*(c-d}

Output:

1 0