

Data Structures Lab, B.Tech 2nd Semester

Instructions

1. This is only for practice. No need to submit it.
2. Complete it by 5:00 PM today. Your completion will be reviewed by the Teaching Assistants.

Practice Assignment 5

1. (a) Write a C program to copy the contents of one stack to another. Create the stack using linked list.
(b) Write a C program to check whether a string of opening and closing parenthesis is well formed or not using stack
(c) Write a C program to convert the following infix expressions into their equivalent postfix as well as prefix expression using stack
 - i. $(A-B)*(D/E)$
 - ii. $A*(B+D)/(E-F*(G+H/K))$
(d) Write a C program to evaluate the following postfix expression using stack.
 $12,7,3,-,/,2,1,5,+,*,+$