

Program to check for balanced brackets in an expression using stack!

Ex:

Imput: exp="[()] / [[()]"

Output: Balanced

Algorithm

* Declare a character stack s

& NOW tolavoure the expression storing exp

Of the current character is a stanting bracket then push it to stack

- then pop brown stack and if the popped character is the matching starting bracket then fine else brackets are not balanced.
- * After Completing toransual, if there is some starting bracket left in stack then "not balanced"

Рэгодыан

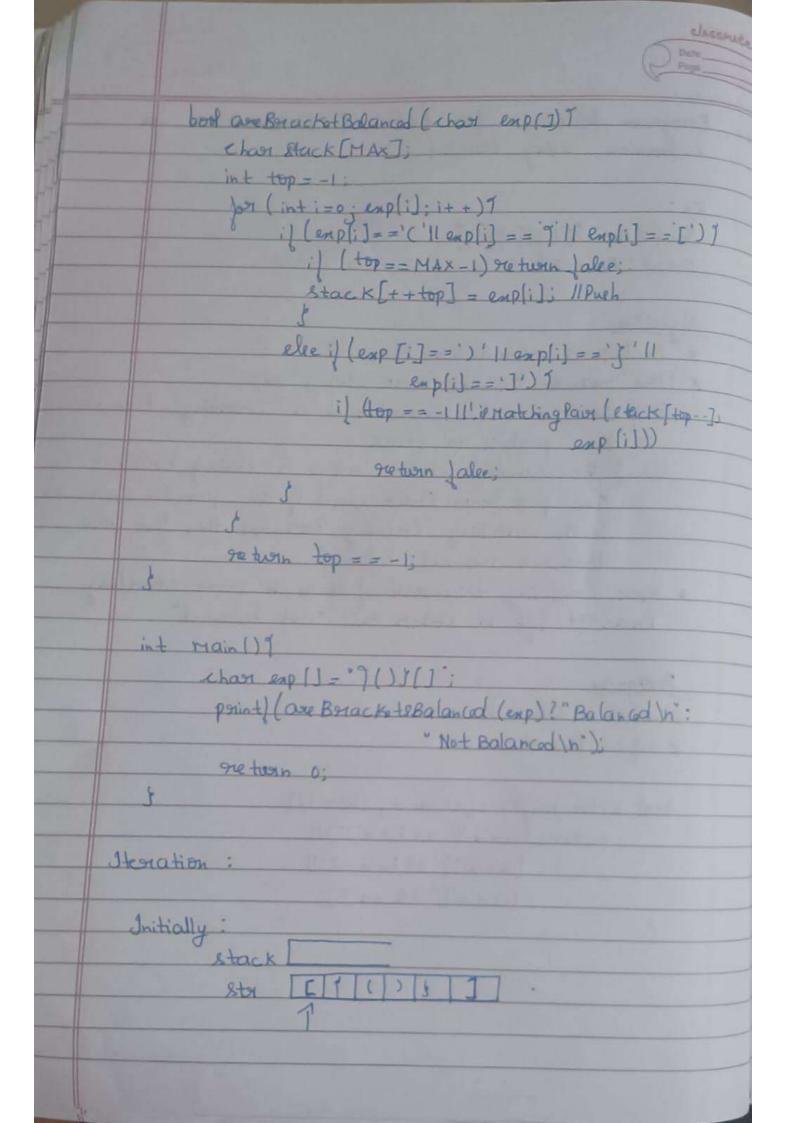
#include < Atdio.h>

deline MAX 100

bod is Matching Paier (where a , where b) 1

See turn (a = = ('abb = = ')') | 1

(a = = ('abb = = ')') | (a = = ('abb = = ')') | (a = = ('abb = = ')');



Steps: [E]
Star Opening brocket. Push into Stack
Step 2:
Stack [[]] Stack [[]] Stack [I] Stack C T ()] Opening bracket . Purh into stack
Step 3:
Stack [CIT]()
Stor [[T](]) J] Cloring bonacted. Check
T top of the stack is
Steph: Stack [[]] E
Rts [[[[[]]]]]
T
Step 5: Stack [[]
for [[[([)]]]]
0 810 1 10 1 10 10 10
30 Stack = top-1 hance balanced