

· Infix to postfix convuesion

· Parenthusis matching & more

main function will J Jandon 2 call each function. - Stundion 1 - I main Fundion # Stade as abstract Data type - In order to want a stack we need a pointed to the topmost demend along with other elements which are stoned inside the stack. # Stack wing Array Data Standame -> Fixed size array conalism > Top element Stund Stack ( IN 251, int bop; I up ase! struct stades. 5. size = 80', s. cop = -13 ssize of int.) 5. Lop = -13 rallos (8. size x size of (int)); Naw Top =0. # 18 123 Benoty Till whou stack is filled. About me are performing push 6 pull operation on stack using a coory.

Octoport 8	1 - Highest pucedence 1
ALYORITHMS ON STACK	* 1 - high level percedence
Sep1-Staut POST	+ lower than 1 and 2
Step 2 - Top = max	Step4- If an openator (1) is encountered
print overflage & oxit	(a) Add operator on-to-the stack
skp3 - Read Data	(b) If another operator Exist 2 New
Sup 4 - Top= Top+1	and har how less or equal percentile
Step 5 - Stack [Top] = Data	line mothe stack 2 and to h push new
Sup 6 - Brit	quator onto lop of stack
POP ALGORITHM	R-AB+C*D/
Step 1 - Staut	ALGORITHM FOR CONVERSION FROM
step 2 - grop = Nall print underflow & east	The POSTAX
step3 - Stade (Pop)= Null Removed 8	convert to past: A-B/CC*DAE)
slep4 - Top = Pop-1	
Step 5 - Exit	step2 - put "c" on to stack 2 add") " be
SHOP OF LINE	and of some to Right two separt
STACK NOTIFICATION	Sko 2 10 6
1) INFIX- when operator comes between	The operator is encountered
and the legit of	a Add operator on to the stack
rung Tulan operation	(a) Add oposite operator Exist 2
putted before openand.	(B) The anomate operation
3) POSTFIX - AB+ when operator is pulled	New operator has less or equal  New operator has less or equal  precedence pop the stack to add to
after operand.	precidence pop and top
50 LONNERTING FROM	R push new operator onto top
ALGORITHM FOR CONVERTING FROM	
INFIX To POSTFIX: S= (A+B)*C/D)  Step 1 - start  That R= AB+C*RD/  Ostep 1 - start  Ostep 1 - start  Ostep 1 - start	
Step 1 - start That (275)  Step 1 - start on to stack 2add ")"  slep 2 - Push "(" on to stack 2add ")"  to end of stack  Step 3 - Sacn 's1 Lett to Pish 1111+	8= N-B/(C*DNE))
Step 2 - Push 1 on to stack	* R= ABCD E ^*/-
to end of a sport	1 1/2. 1 has high purcedence
Slep 3 - Sacn 'SI Lett to Pigh +	* 8= A-B/(C*D^E))  * R= ABCD E^*/-  C han (-)  1
Step 3 - Sacn 's1 Lety to Pight  two seperat ctep 8 to 6 ?	1 ( paratheres & muliply
antial 5 is empty.	*/ 2 ( paratheres *



