1 Infix to Postfix:

Tufix expression: A*(B*C+D*E)+F:

Current Token	operator stack	Postfix string
A		A
*	*	A
Cladini	*(A
B	* (*	AB
* 818	* C*	AB
C + 186	*(*	A BC
atrio oh	*(*+	ABC*
O Assistant	* (+	ABC* D
*	*(+*	ABC*D
E	*(**	ABC*DE
	*	ABC*DE*+
+	+	ABC*DE*+
F	+	ABC*DE*+*F
the first to	irch a crown	ABC*DE*+*F+
	Token A * Constant Constant One	Token Stack * * * * * * * * * * * * *

Postfix Expression is : ABC *DE * + * F+

2 Julix Expression : A*B^c+D

SNO	Current	operator Stack	Postfix string
1.	A	TANK IN	A
2.	-**	*	A S
3'	В	***	AB
ц,	M	*^	AB
5.	co .	**	AB C
6.	Pipe (+) or	ABC**
7	D.,	+ 1 1 1	AB CA*D
8.	*38H	+ 2 *	ABC**D+

Postfix Expression : ABC^*D+

+*30 4284

*+ *30 * 389

136 * DE * + * F

FBC*+*FUF*+*FH

13. E1

Postfix Expression is = ABC *DE * + * F +

Postfix to Infix: 3 Postfix Expression: AB-DE+F*/ Reading of Postfix Stack top S'NO Expression A 1. A A 2. B В 1000 BA .1 3, A-B A-B 4. D (5-h)(180) 5. 5+6)() 40) N D+E 6. DtE A-B 7. DtE A-B 8. * (DtE)*F) 9, (A-B)/(DtE*F)

Intix Expression: (A-B) (OFE *F)

Postfix Conversion: abc*de-/+

8.NO	Symbol	Stack	
1.	a	a	
۵،	b	ab	
3.	C	abc	
4.	*	a(b*c)	
5. AA	d	a(b*c)d	
6. (a.a.)	e	a(b*c)de	
7.	-)	a(b*c)(d-e)	
8.		/ = ((b*c)(d-e))	
9.	+	(a+((b*c)[(d-e)))	

(1*(3+K)

(A-B) (OFFRE)

(743 to) (a-4) no warge I ritat

Balanced Symbols:

((a+b)*(c-d))

S·NO	Symbol	stack	Action Taken	Expression so tax
li .	00	o rusday	Push'c'	(
۵٠	* °C	((Posh' c'	CC
3.	d Fa	4, 4 6634	Appendia:	Cla
4 .	(440).	७ भुष्टु	Append't'	(lat
5.	*(b+0)	" CEUG	Append b'	(latb
6.	*() ±0]	5' br 6997	Popici	Clatb
7.	A to to	C* 409	Posh*	((atb)*8
8:-0	(d(10)	C# Cug	Posh'c>	(tato)*(
9.	*(C+10)	10 C# 099A	Append (C)	((atb)*(c
10.	- Walley	C* C409	Appendi,	((atb)*(c-
11:	d d	remaining operations	Append'd'	(latb)*(c-d
15.)	C*	Pob,c,	((a+b)* (c-a)
13.) 110	need sym	bob, c,	((atb)* (c-d))

It is valid for "Balanced Symbol"

· ii) [{a	tb) * (}-d]	29/18/	mor the colo
S.NO	Symbol	stack	Action	Expression so tar.
1.	1000	(5)	Push 'c'	Indian C 101%
2.	۵	[c]	Append 'a'	(a
3.	+))	[C, t]	bory ct,	lat.
4.	b	(t,t)	Append b'	(atb
5.		[c, t]	Papic	Catb)
6 · d ·	01)	[C, t*]	Push'*'	(atb)*
7. df	C	[(4,*)	Append 'c'	(atb)*c
8*(0+	(60	4 (c)4	Pop (E)	atb)*c
9.*(0)	([a·	ે દિવન્	Push 2	(outb) to C-
SAME AND THE SAME	de	ं एर,म्ये	Append'd'	(atb)* (-d
	End (Los)	Applema's	Pop remaining Operators	(atb)* c-d,

It is valid for Balanced symbols"

It is valid for "Salanced Sympol"

on any