) Infix to Postfix

Js.No	current Token	operator stack	Postfix string.
-	A	Pindon	A
1.	*	*	A
3.	C	*	A
4.	В	*	AB
5.	*	*C*	AB
6.	C.	* C*	ABC
7.	+	*c+	ABC*
	D	* C +	ABC*D
8.	*	* C + *	ABC+D
10.	E	*c+*	ABC*DE
11.	,	•	ABC+PE++
12.	+	+	ABC + DE ++
13.	F	+	ABC * DE * + *F
14.			ABC* DE*+ *F+
1			

Postfix Expression Ps: ABC* DE++*FT

2) Infix Expression: A+ B*c+D

5.NO	current Token	Operator	Postfise string
1	A	Sac	A
2.	7	*	A
3.	В	*	AB
4.	1	* ^	AB
5.	0.10	* ^	ABC
5 6	(2 to)	+	ABC 1 *
6.	(6+0)		ABC" + D
7.	b) (a*d	1000	ABC^*D+

Postfix Expression: ABC 1 + D+.

3. Postfix to Expression AB - DE + F*/

S.No	Reading of Postfix	Stack top	Expression,	
1.	A	A	Lal	
2.	B	B spogmi	B	
3.	-	A-B	(d A-B)	
4.	D	D	A-B	
5.	ϵ	€	A-B	
6.	+	D+E	LO+E A-B	
7.	F	F	D+6 A-8	
8.	*	((D+E)*F)	(O+E)*F • A-B	
9.	,	(A-B)/(D+E*F)		

Intix Expression: (A-B) ((D+E)*F))

4. Postfix : conversion : abc * de - 1 +

	Books.	1
5.N	10 Symbol	Stock
1.	a	0
2.	ь	ab
3.	C	abc
4.	*	a(b*c)
5	+ d	a(b*c)d
6.	at early	a(b*c) de
7.	C+286	a(b*c)(d-e)
8.	/ +a * 0 38 A	a((b+c)/(d-e))
9.	+	(a+((b+c)/(d-e)))
, [7 * 11-30-66	

Infox conversion: (a+((b*c)/(d-e)))

5. Balanced Symbols.

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

11. 12.

It

S. No	Symbol	stack	Action Token	Expression so Pas.
1.	C	(Push 'c'	. (
2	(((Push (c)	((
3.	a	CC	Append 'a'	Cla
4.	+	cc	Append 1+'	Clat
5.	60)	CC	Append b'	Clath
6.)	C	pop (c)	((a+b
7.	*	C 9t	push (+)	((a+b)*
8.	Caro	C*c	Push (C)	((a+b)*(
9.	Cat	C*(Append (()	((a+b)*(c
100	H + 50 + 10	C*(Appendo (-)	((a+b)+ (c-
11.	d	£(+(Append (d)	(la+b) + (c-d)
12.	0100	ex	Pop (c)	(·(a+b)*(c-d)
13.	?	Ha) (pop(c)	((a+b)+(c-d))

It is valid for Balanced Symbol!

6. Balancing symbol

[{ca+b}+c3-d]

C.N	o Symbi	of stock	Action	Expression So far
1.	(CCJ	Push 'C'	C
	a		Append 'a'	la
3.	10+0	[c,+]	Push (+)	(a +
4.		[c,+]	Append (b)	(a+b
		(c,+)	pop (c)	(atb)
		[c,+,+]	push '*'	(a+b)\$
		C(,*7	Append 'c'	(a+b)*c
8.)	[c]	pop (c)	(a+b) #c
9.4	-3) = (6	Cc1-7	pop (-)	(a+b)+c-
10.	2	で,-ブ	Append (d)	(a+b)*c-d
	End		pop remaining operators	(a+b)\$ (-d

It is valid for "Balanced Eymbol"

7) Bina

Inord

Vº

In Pre