

## Infix to Postfix Conversion

★  $a + b * c - d$

S.N	Incoming character	Stack	Target String
1	a	Empty	a
2	+	+	a
3	b	+	ab
4	*	+*	ab
5	c	+*	abc
6	-	-	abc*+
7	d	-	abc*+d
8	Nil	empty	abc*+d-

Postfix - abc\*+d-

★ Converting from Infix to Postfix.

Infix  $a/b - c + d$

S.N	Incoming character	Stack	target string
1	a	empty	a
2	/	/	a/
3	b	/	ab
4	-	-	ab/
5	c	-	ab/c
6	+	+	ab/c-
7	d	+	ab/c-d
8	Nil	empty	ab/c-d+

Postfix - ab/c-d+

★ Converts from Infix to Postfix.

Infix a \$ b - c \* d

S.N	Incoming character	Stack	target string
1	a	empty	a
2	\$	\$	a
3	b	\$	ab
4	-	-	ab\$
5	c	-	ab\$c
6	*	-*	ab\$c
7	d	-*	ab\$c d
8	Nil	empty	ab\$c d * -

Postfix - ab\$c d \* -