Infix to Postfix

eg $(a-b/c)*(a/k-l)$

sol:-

$$(((a_2 - b_4 / c_6)_7 *_8 (a_9 / k_{11} - l_{13})_{14})_{15})_{16}$$

S.R	Symbol	Stack	Infix to Postfix
1	(	(	
2	(	((	
3	a	((	a
4	-	((-	a
5	b	((-	ab
6	/	((-/	ab
7	c	((-/	abc
8	)	(	abc/-
9	*	(*	abc/-
10	(	(*(	abc/-
11	a	(*(	abc/-a
12	/	(*(/	abc/-a
13	k	(*(/	abc/-ak
14	-	(*(-	abc/-ak/
15	l	(*(-	abc/-ak/l
16	)	(*	abc/-ak/l-
17	)		abc/-ak/l-*

Steps to code

① Declare Precedence order (eg ^ > / > * > + > -)

② Get operands and push them into stack

③ '(' = push it into stack

④ During ')' = push everything till '('.

⑤ When operators comes, check their precedence and according to that push operators in stack.

⑥ Update and Pop step 5 and then pop.