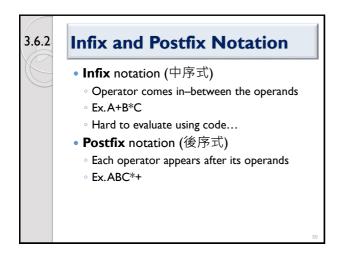
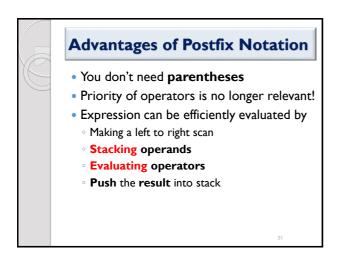
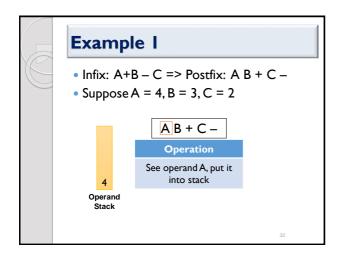


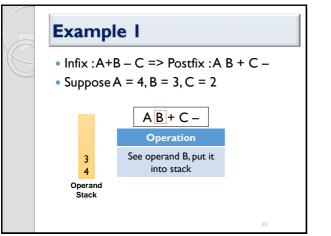
Priori	ty Operato
I	Minus, !
2	*, /, %
3	+, -
4	<, <=, >=,
5	==, !=
6	&&
7	



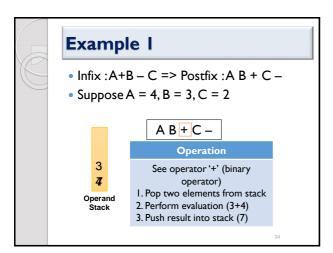




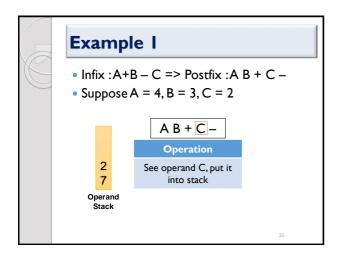


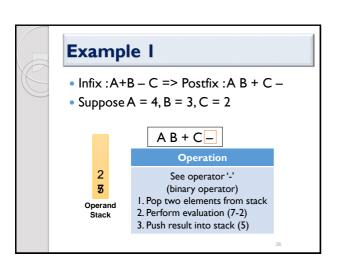




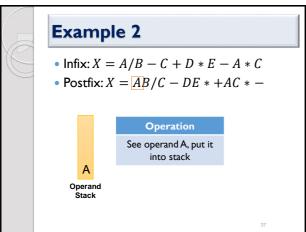


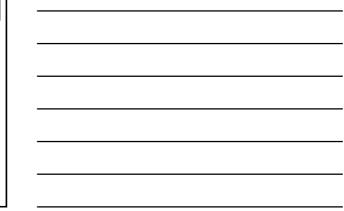


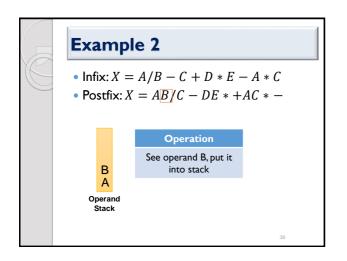


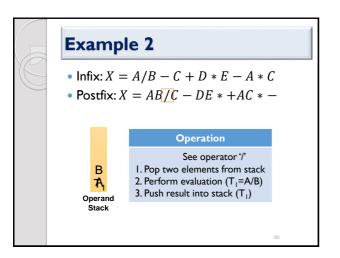




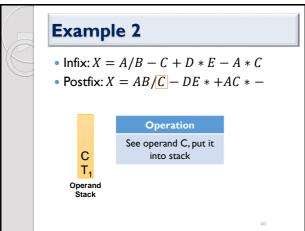




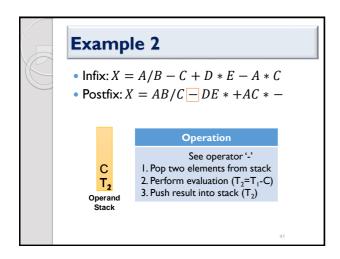


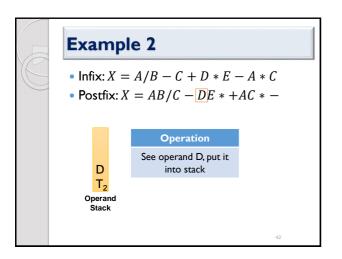




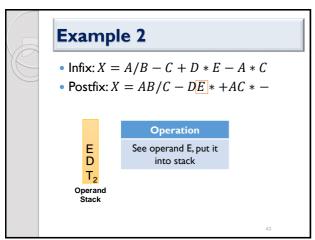


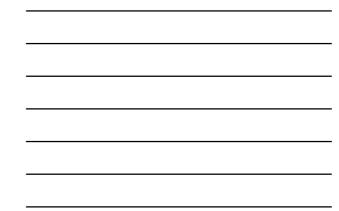


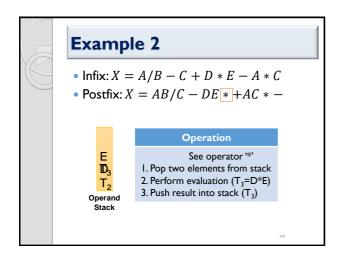


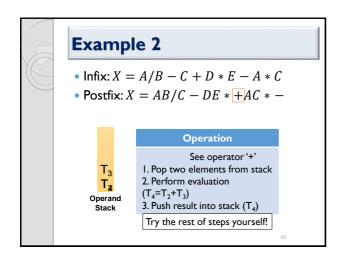






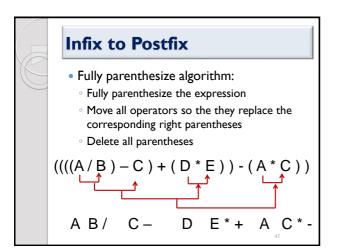


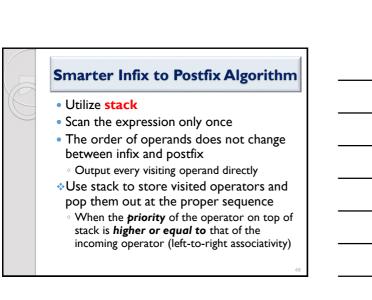






E	Evaluation Pseudo Code		
	<pre>void Eval(Expression e) { // Assume the last token of e is `\#' // A function NextToken is used to get next token in e Stack-Token> stack; // initialize stack for (Token x = NextToken(e); x != `\#'; x = NextToken(e)) { if(x is an operand) stack.Push(x); else{ // Remove the correct number of operands from stack // Perform the result back to stack // Push the result back to stack // ***Try to fill up the code *** } }; </pre>		
	46		





	-			
	Examp	le I		
E	• Infix: A +	- B * C		
	Next token	Stack	Output	
	None	Empty	None	
	А	Empty	А	
	+	+	А	
	В	+	AB	
	*	+*	AB	
	С	+*	ABC	
		+	ABC*	
		Empty	ABC*+	
				49

R	• Infix: A *			
	Next token	Stack	Output	
	None	Empty	None	
	А	Empty	A	
	*	*	A	
	(*(A	
	В	*(AB	
	+	*(+	AB	
	С	*(+	ABC	
)	*	ABC+	
	*	*	ABC+*	
	D	*	ABC+*D	
		Empty	ABC+*D*	50



Notes: Expression with ()

- '(' has the highest priority, always push to stack.
- Once pushed, '(' get the lowest priority.
- ')' has the lowest priority, therefore pop the operators in the stack until you see the matched '(', then eliminate both.

