Applications of Stacks

- · The runtime stack in memory
- · Converting a recursive algorithm to an iterative one
 - use a stack to emulate the runtime stack
- Making sure that delimiters (parens, brackets, etc.) are balanced:
 - push open (i.e., left) delimiters onto a stack
 - when you encounter a close (i.e., right) delimiter, pop an item off the stack and see if it matches
 - example: 5 * [3 + {(5 + 16 2)]













