```
Stack Applications: paren Check
Test 1: matching parens
  (2+(3+4)+(5+6))
  Stack Trace
Test 2: mismated -extra open
 ((2+3)+(4+5)
                            leftover
 items on
                              Stack
Test 3: mismatched - extra close
   (2+3))(4+5(
              can't 1
pop :
so... stop!
 ( X- empty
  -While (Index < length of string)
   return false
  return stack is Empty ()
```

Ideas generated from Jonaff's "IDEA PARTY" Stack Applications: is Palindrome Case 1: racecar length: 7 mid: 3 rac (even) poop length: 4 mid: 1.5 *Use I (last index

- o use int division to calculate middle
- o push chars from index: 0 → index: middle
- · if odd, pop one off to balance
- ofor loop: index: middle+1 -> index: length-1 if pop for char index return false
- · return results of checking empty stack