**[Remove Outermost Parentheses](https://leetcode.com/problems/remove-outermost-parentheses/)**

**public** **class** RemoveOuterParanthesis {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

System.***out***.println(*removeOuterParentheses*("(()())")); }

**public** **static** String *removeOuterParentheses* (String S) {

**if**(S == **null** || S.length() == 0) {

**return** "";

}

StringBuilder str = **new** StringBuilder();

**int** counter = 0;

**for**(**int** i = 0 ; i < S.length(); i++) {

**if**(S.charAt(i) == '(') {

counter++;

**if**(counter > 1) {

str.append('(');

}

}

**else** **if**(S.charAt(i) == ')') {

counter--;

**if**(counter > 0) {

str.append(')');

}

}

}

**return** str.toString();

}

}

Time Complexity : O(n) , n is the length of given string

Space Complexity : O(1), constant space