**Recursion**

For this assignment you must write the following functions using recursion:

// Print out 'n' \*'s on the same line

printStars(int n);

// Return the minimum of the array

min(int[] numbers));

// Return Yes if pattern is found in target, No otherwise

isIn(String pattern, String target);

// Print all the permutations of word

permutations(String word);

// Return the number of permutations of word

countNumberOfPerms(word);

* The above methods must be recursive or they may do some non-recursive stuff and make a call to a recursive function that actually performs the computation.
* The methods must be put in a class named: A8Utils.
* You must use the file AssignmentEight.java I have provided.
* You must match the output in the file AssEightOutput.txt I have provided.
* You do not need to write any javadocs for this assignment.
* You do need the first line of your Name, ID, Assignment Eight comment in A8Utils.java.