[**Count and Say**](https://leetcode.com/problems/count-and-say/)

**public** **class** CountAndSay {

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

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

System.***out***.println(*countAndSay*(4));

}

**public** **static** String countAndSay(**int** n) {

String result = "1";

**if**(n == 1) {

**return** result;

}

**for**(**int** i = 1 ; i < n ; i++) {

result = *nextSequence*(result);

}

**return** result;

}

**public** **static** String nextSequence(String result) {

**char** initial = result.charAt(0);

**int** count = 1;

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

**for**(**int** i = 1 ; i < result.length() ; i++) {

**if**(result.charAt(i) == initial) {

count++;

}

**else** {

str.append(count).append(initial);

count = 1;

initial = result.charAt(i);

}

}

str.append(count).append(initial);

**return** str.toString();

}

}

Time Complexity : O(n \* n ) , n is given number

Space Complexity : O(n), n is given number