**public** **class** Solution {

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

**if** (n <= 0) **return** "";

String result = "1"; // Starting point: countAndSay(1)

**for** (**int** i = 2; i <= n; i++) {

result = buildNext(result);

}

**return** result;

}

**private** String buildNext(String s) {

StringBuilder sb = **new** StringBuilder();

**int** count = 1;

**char** prevChar = s.charAt(0);

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

**char** currentChar = s.charAt(i);

**if** (currentChar == prevChar) {

count++;

} **else** {

sb.append(count).append(prevChar); // say the count and the digit

count = 1;

prevChar = currentChar;

}

}

// Append the last group

sb.append(count).append(prevChar);

**return** sb.toString();

}

}