```
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
// Count how many times does the first character of
// the given string repeat. E.g. if the string is 111221111
// then the answer is 3 since 1 repeats thrice in the beginning
void countDigits(char *old, int *digit, int *count){
    int i = 0;
    *digit = old[0] - '0';
    while(old[i] == old[0])
        i++;
    *count = i;
}
void speakAndSay(char **str){
    char *new = (char*)malloc(100 * sizeof(char));
    char *old = *str;
    int digit, count, k = 0;
    // While the old string is not exhausted
    while(strlen(old)){
        // How many repetitions are there of the next digit?
        countDigits(old, &digit, &count);
        old += count; // Advance the old string those many places
        new[k++] = '0' + count;
        new[k++] = '0' + digit;
    }
    new[k] = '\0';
    free(*str);
    *str = new;
}
int main(){
    int n, k;
    scanf("%d %d", &n, &k);
    char *str = (char*)malloc(100 * sizeof(char));
    str[0] = '0' + n;
    str[1] = '\0';
    for(; k > 0; k--){
        printf("%s", str);
        speakAndSay(&str);
        if(k > 1) printf("\n"); // No trailing newlines
    return 0;
}
```