Assignment 2

Due date:

11/11/2019 (5:00 **AM) (early morning)**

Write a C program to solve a given series:

1 11 21 1211 1231 131221 132231 …

In this series, **each number explains its previous number**, this series may be read as:

One one times one two times one one times two and one times one one time 2 and 3 times one one time 3, 1 time 2 and 2 times 1 …

You have to find n^{th} term of that series. For example,

When n=3, your answer should be 21,

When n=5, your answer should be 1231,

When n=7, your answer should be 132231 and so on…

Hint:

You have to use double or long datatype to store number. You have to break previous number by divide and modules operator and find number occurrences to make next number.

Input:	**Output:**
Enter term you want to find: 7 Enter term you want to find: 3	7^{th} term is 132231 3^{rd} term is 21

Note:

You are only allowed to use loops, if else and recursion. If I found anything which we do not read in class like arrays, strings etc. then he/she will be given **-5** marks. If, I found plagiarism with anyone, both students will be given **-10** marks. No arguments will be accepted, so hide your work from others.