1. You have to take a string as input and reverse the string. You CANNOT use array indexing notation. You must use pointers. You cannot use any library function except for the purpose of input/output.
2. Take a decimal number as input and print its binary representation. You must use recursion to solve the problem. You cannot use any static or global variables for this.
3. Write a recursive function to calculate the summation of the following series:

2\*5\*8 + 4\*7\*10 + 6\*9\*12 + … … … upto n terms

You have to take n as input. You cannot write any loops for evaluating the sum.