1. Write a program in C to display the cube of the number up to given an integer.   
   Test Data:  
   Input number of terms: 5  
   Expected Output:  
   Number is: 1 and cube of the 1 is:1  
   Number is: 2 and cube of the 2 is:8  
   Number is: 3 and cube of the 3 is:27  
   Number is: 4 and cube of the 4 is:64  
   Number is: 5 and cube of the 5 is:125
2. Write a program in C to make such a pattern like a pyramid with a number which will repeat the number in the same row.

1

2 2

3 3 3

4 4 4 4

1. Write a program in C to display the sum of the series [ 9 + 99 + 999 + 9999 ...].   
   Test Data:  
   Input the number or terms:5  
   Expected Output:  
   9 99 999 9999 99999  
   The sum of the saries = 111105
2. Write a program in C to print the Floyd's Triangle.

1

01

101

0101

10101

1. Write a C program to display Pascal's triangle.   
    Test Data:  
   Input number of rows: 5  
   Expected Output:

1

1 1

1 2 1

1 3 3 1

1 4 6 4 1

1. Write a program in C to find the sum of the series [ x - x^3 + x^5 + ......].   
   Test Data:  
   Input the value of x:2  
   Input number of terms: 5  
   Expected Output:  
   The values of the series:  
   2  
   -8  
   32  
   -128  
   512  
   The sum = 410
2. Write a c program to check whether a given number is a perfect number or not.   
   Test Data:  
   Input the number: 56  
   Expected Output:  
   The positive divisor: 1 2 4 7 8 14 28  
   The sum of the divisor is: 64  
   So, the number is not perfect.
3. Write a c program to find the perfect numbers within a given number of range.   
   Test Data:  
   Input the starting range or number: 1  
   Input the ending range of number: 50  
   Expected Output:  
   The Perfect numbers within the given range: 6 28
4. Write a C program to check whether a given number is an Armstrong number or not.   
   Test Data:  
   Input a number: 153  
   Expected Output:  
   153 is an Armstrong number.
5. Write a C program to find the Armstrong number for a given range of number.   
   Test Data:  
   Input starting number of range: 1  
   Input ending number of range: 1000  
   Expected Output:  
   Armstrong numbers in given range are: 1 153 370 371 407