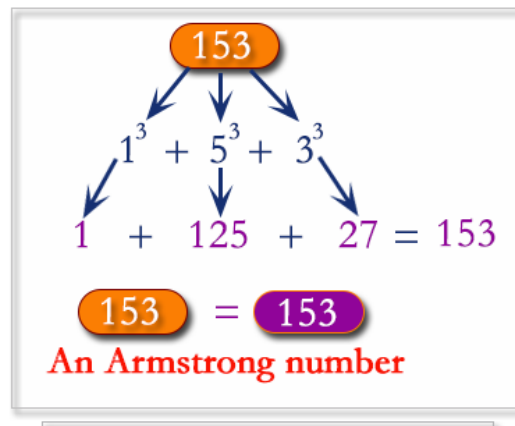


Solve the following problems with building user defined function in C:

1. Write a C program to calculate the sum of the following series (n will be taken from user):

$$1 + \frac{1}{1!} + \frac{3}{3!} + \frac{5}{5!} + \dots + \frac{n}{n!}$$

2. Write a C program that can convert a decimal number to corresponding binary number.
3. Write a C program to get the multiplication result of first n prime numbers from 2 to a given range m. The input m will be taken from user.
4. Write a C program that will tell the user what an Armstrong Number is and the first n Armstrong Number in Number Line. (Input n will be taken from user)



5. Write a C program that will tell the user what a Perfect Number is and will print the first n Perfect Number in Number Line (Input n will be taken from user).

Perfect Number :

Divisor of 28 : 1, 2, 4, 7, 14, 28

Sum of 1 + 2 + 4 + 7 + 14 = 28

Sum = Original Number

28 is Perfect number