1. Write a program in Java to compute the sum of the digits of a given integer. Remember, your integer should not be less than the five digits. (e.g., if input is 23451 then sum of the digits of 23451will be 15)

2. Print the number as given below

Input → Enter Number:20

Output →

1 3 5 2 4 6 7 9 11 8 10 12
13 15 17 14 16 18 19

3. Print all perfect numbers between 1 to 100.

   Perfect number is a positive integer which is equal to the sum of its proper positive divisors.
   For example: 6 is the first perfect number
   Proper divisors of 6 are 1, 2, 3
   Sum of its proper divisors = 1 + 2 + 3 = 6.
   Hence 6 is a perfect number.

4. Print all Armstrong number between 1 to 1000.

   An Armstrong number is a n-digit number that is equal to the sum of nth power of its digits. For example,
   6 = 61 = 6
   371 = 33 + 73 + 13 = 371

5. Find Prime fraction of a number
   if no. Is 6 prime fraction is 2,3
   If no. Is 24 then prime fraction is 2,2,2,3
   If no. Is negative or 1
   then there is no fraction it should be empty

6. Write a program to find fibonacci series

7. How to find is power of 10

   Ex:
   Input : 100
   ouput: True (because 10 power 2 is 100)

   Input: 80
   Ouput: false (not power of 10)

8. Write a program to print all possibilites to get the given number as mentioned below:
   Given number is 3.
   Output:
   1+1+1
   1+2
   2+1

9. Check the given number is power of 5.

   Ex:
   Input : 25
   ouput: Truw (because 5 power 2 is 25)

   Input: 80
   Ouput: false (not power of 5)

10. Print Pascal Triangle , print the value for the given co-orinates
    Ex:

        1
       1 1
       1 **2** 1
       1 3 3 1

    Given Co-Orinates(3,2) means answer should be : 2