

//To print the possible consecutive number combinations which add up to the input

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```
import java.util.Scanner;
public class Con_Sum
{
    public static void main(String args[])
    {
        Scanner br = new Scanner(System.in);
        System.out.println("\nEnter the Number"); //Accepting the number from the user
        int input = br.nextInt();

        for(int i = 1; i<input; i++)
        {
            find_numbers(i, input);
        }
    }

    public static void find_numbers(int loop_index, int input_num) //To find each set of numbers adding
    upto input
    {
        int sum = 0; //To store the sum of consecutive numbers
        String numbers = "";
        for(int i = loop_index; i<input_num; i++)
        {
            if(sum>input_num)
            {
                return;
            }
            if(sum == input_num)
            {
                System.out.println(numbers);
            }

            sum+=i;
            numbers = numbers + i + " ";
        }
    }
}
```

OUTPUT

Enter the Number

30
4 5 6 7 8
6 7 8 9
9 10 11

Enter the Number
15
1 2 3 4 5
4 5 6
7 8

Enter the Number
50
8 9 10 11 12
11 12 13 14