

## Algorithm

Aim: To print all the consecutive positive integers which add upto the input.

1). Start

2). main() – a). Input a number and store it in input.

```
b). for(int i = 1; i<input; i++)
{
    find_numbers(i, input); [Calling function find_numbers]
}
```

3). void find\_numbers(int loop\_index, int input\_num) – Function to print consecutive positive integers whose sum is equal to the input

```
a). int sum = 0;
    String numbers = "";

b). 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 + " ";
}
```

4). Stop