

<https://course.acciojob.com/idle?question=8f457baa-52d8-4545-aefc-d4d2a747f428>

● EASY

● Max Score: 30 Points

Sum of Digits of Numbers

Given a positive integer N , print the sum of digits for every number from 1 to N .

Input Format:

Input consists of a single integer N

Output Format:

Print N lines corresponding to the sum of digits in the numbers

EXAMPLE 1:

Input:

5

Output::

1
2
3
4
5

EXPLANATION:

We have $N = 5$.

Numbers = 1, 2, 3, 4, 5

EXAMPLE 2:

Input:

15

Output::

1
2
3
4
5
6
7
8
9
1
2
3
4
5
6

EXPLANATION:

We have $N = 15$.

Numbers = 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15

CONSTRAINTS:

$1 \leq N \leq 1000$

Topic Tags

- **Loops**

My code

// in java

import java.util.*;

```
import java.lang.*;
import java.io.*;

public class Main
{
    public static void main (String[] args) throws java.lang.Exception
    {
        //your code here
        Scanner s=new Scanner(System.in);
        int m=s.nextInt();

        for(int i=1;i<=m;i++)
        {
            int n=i;
            int sum=0;
            while(n>0)
            {
                sum+=n%10;
                n=n/10;
            }
            System.out.println(sum);
        }
    }
}
```