**Day 1: 10.9.2024**

**Shiva Ramalingam V (ECE)**

**Code for Sum of first n natural numbers:**

**With Loop:**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n=sc.nextInt();

int sum=0;

for(int i=1;i<=n;i++)

{

sum+=i;

}

System.out.println(sum);

}

}

**Without Loop :**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n=sc.nextInt();

int sum=0;

sum=(n\*(n+1))/2;

System.out.println(sum);

}

}

Input : 5

Output: 15