Program 2:

**package hcl;**

**import java.util.Scanner;**

**import java.util.\*;**

**public class Numbers { // main class**

**public static int squaresum(int n)// static method**

**{**

**return (n \* (n + 1) / 2) \* (2 \* n + 1) / 3;// formula for sum of squares of first n natural numbers**

**}**

**public static void main(String[] args) {**

**// TODO Auto-generated method stub**

**int n; // initialise input variable**

**Scanner sc = new Scanner(System.in); // scanner statement**

**System.out.println("input : "); // printing input**

**n = sc.nextInt();**

**System.out.println("output : " + squaresum(n)); // printing output**

**}**

**}**

Output:

