//

// List1.java

// Unsorted List

//

import java.util.Scanner;

public class List1

{

 private final int MAX = 50;

 // two instance variables

 private int[] info;

 private int length;

 // default constructor

 public List1()

 { length = 0;

 info = new int[MAX];

 }

 public boolean IsFull()

 { return length == MAX; }

 public void Insert(int item)

 { info[length] = item;

 length ++;

 }

 public int Sum()

 { int total = 0;

 for(int i=0; i<length; i++)

 total += info[i];

 return total;

 }

 public int getLength()

 { return length; }

 public double average()

 { return (double)Sum()/length; }

 public void Print()

 { for(int i=0; i<length; i++)

 System.out.print(info[i] + " ");

 System.out.println();

 }

 public static void main(String[] args) // driver

 { List1 z = new List1();

 Scanner input = new Scanner(System.in);

 /\*

 z.Insert(12);

 z.Insert(7);

 z.Insert(15);

 z.Insert(2);

 \*/

 int num;

 while(input.hasNext())

 { num = input.nextInt();

 z.Insert(num);

 }

 z.Print();

 int s = z.Sum();

 System.out.println("sum = " + s);

 int len = z.getLength();

 System.out.println("length = " + len);

 double avg = z.average();

 System.out.println("average = " + avg);

 }

}

