//

// 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);

}

}

