```java
import java.util.Scanner;
public class Exercitii {
    public static void main(String args[]){
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
//Problema 1
        double s=0;
        for (int g=1; g<=n; g++) {
            double m=sc.nextInt();
            s=s+m;
            System.out.println();
        }
        double average=s/n;
    if (s<=1000){
        System.out.println ("Media numerelor este" + average);
    } else {
        System.out.println ("Suma este mai mare decat 1000");
    }
//Problema 2
    int e=5;
  do {
        int j=1;
        do{
            System.out.printf("%3d", e);
            j++;
        } while (j<=e);
        System.out.println();
        e--;

    } while (e>=1);
    sc.close();
    }

}

//Problema 3
    int b=1;
    int r=0;
    while( b<=n){
        r=r+b;
        b++;
        }
int s2=(int)Math.pow(r, 2.0);

    int c=1;
    int s1=0;
    while( c<=n){
        int p=(int)Math.pow(c, 3.0);
        s1=s1+p;
        c++;
    }
    if (s1==s2) {
        System.out.println("S1 este egal cu S2");
    } else { if (s1<s2) {
        System.out.println("S2 este mai mare");
    } else {
        System.out.println("S1 este mai mare");
    }
    }

sc.close();
    }

}
```