

Problema 1

```
import java.util.Scanner;
public class Anastasia{
    public static void main(String[] args) {
        int i,n=0,sum=0;
        double avg;
        {
            System.out.println("Introduceti numerele : ");
        }
        for (i=0; i<45;i++){
            Scanner hello= new Scanner(System.in);
            n = hello.nextInt();
            sum +=n;
            if (sum>1000){
                break;}
        }
        avg=sum/i;
        System.out.println("Suma numerelor este: " +sum+"\nMedia aritmetica este: " +avg);
    }
}
```

Problema 2

```
public class Anastasia{
    public static void main( String []args) {
        int n=5;
        do {
            int i=1;
            do {
                System.out.printf("%2d", n);
                i++;
            }while(i<=n);
            System.out.println();
            n--;
        } while (n>=1);
    }
}
```

Problema 3

```
import java.util.Scanner;
public class Anastasia{
    public static void main( String []args) {
        Scanner hello=new Scanner(System.in);
        int n=hello.nextInt();
        double s1=0, s2=0, sum=0;
        int i=1;
        while(i<=n) {
            s1+=Math.pow(i, 3);
            sum+=i;
            s2=Math.pow(sum, 2);
            i++;
        }
    }
}
```

```
}  
System.out.println("s1="+s1+"\ns2="+s2);  
if (s1>s2) {  
    System.out.println("s1>s2"); }  
else { if (s2>s1) {System.out.println("s2>s1");}  
else System.out.println ("s1=s2");}  
hello.close();  
}  
}
```