PROB.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);
 }
}
```

PROB.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);
 }
 }
```

PROB.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();
 }
 }
```