Problema 1

```java
import java.util.Scanner;
public class Homework {
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 tastatura=new Scanner(System.in);
n= tastatura.nextInt();
sum +=n;
if (sum>1000) {
break;}
}
avg =sum/i;
System.out.println("Suma numerelor este:"+sum+"\nMedia aritmetica
este:"+avg);
}
}
```

Problema 2

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

Problema 3

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

```java
sum+=1;
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");
keyboard.close(;)
}
}
```