

Sarcina 1:

```
import java.util.Scanner;
public class Sarcini_De_Lucru {
public static void main(String args[]) {
    int x = 0;
    int sum = 0;
    Scanner rn = new Scanner(System.in);
    while (sum < 1000) {
        System.out.println("Scrie numarul:");
        sum += rn.nextInt();
        x += 1;
    }
    int avg= (sum/x);
    System.out.println("Suma numerelor : " + sum);
    System.out.println("Media aritmetica a numerelor: " + avg);
    rn.close();
}
}
```

Sarcina 2:

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

Sarcina 3:

```
import java.util.Scanner;
public class Sarcini_De_Lucru {
public static void main(String args[]) {
int n=1;
int i=1;
int j=1;
int S1=0, S2=0;
Scanner rn = new Scanner(System.in);
System.out.print("Introdu un nr natural : ");
n = rn.nextInt();
for(i = 1; i <= n; i++){
j = (int) Math.pow(i,3);
S1 += j;
}
for(i = 1; i <= n; i++){
S2 += i;
}
S2 = (int) Math.pow(S2, 2);
if(S1 == S2)
System.out.println("S1=S2");
else if(S1<S2)
System.out.println("S1<S2");
else
System.out.println("S1>S2");
rn.close();
}
}
```