

Problema 1

```
import java.util.Scanner;

public class Main {
    public static void main(String[] args)
    {
        Scanner sc = new Scanner(System.in);
        int a;
        int numbers = 0;
        double sum = 0;
        while (true)
        {
            System.out.print("Introduceti numarul: ");
            a = sc.nextInt();
            sum=sum+a;
            if (sum > 1000)
            {
                sum=sum-a;
                break;
            }
            numbers++;
        }
        System.out.println("Media aritmetica este: " + sum / numbers);
        sc.close();
    }
}
```

Problema 2

```
public class Main
{
    public static void main(String[] args) {

        for(int i=5; i >= 1; i--){
        for(int a=1; a <= i; a++){
            System.out.printf("%3d",i);
        }
            System.out.println();
        }
    }
}
```

Problema 3

```
import java.util.Scanner;
public class Main {
public static void main (String args []) {
    Scanner sc=new Scanner(System.in);
    int n=sc.nextInt();
    int s1=0;
    int s2=0;
    int a=1;
    int b=1;
    do {s1=s1 + (int) Math.pow(b, 3) ;
    b++;
    } while (b<=n);
    System.out.println("S1= " + s1);
    do {s2=s2 +a;
    a++;
    }while (a<=n);
    s2 = (int) Math.pow(s2, 2);
    System.out.println("S2= " + s2 );
    if (s1<s2) {
        System.out.println("S1<S2");
    }else {
        if (s1==s2) {
            System.out.println("S1=S2 ");
        }else {
            System.out.println("S1 >S2 ");
        }
    }
    sc.close();
}
}
```