

05.05.2020

**Tema pentru acasa**

**Problema 1**

```
import java.util.Scanner;
public class Problema_1_05_05_2020 {
public static void main(String[] args) {
    Scanner sc=new Scanner(System.in);
    int a=0; double sum=0; while(sum<1000) {
        int i=sc.nextInt();
        if(i<=0) {
            System.out.println("Valid number is needed");}
        else { sum=sum+i;
            a++;
        }
    }
    System.out.println(sum/a);
}
```

**Problema 2**

```
public class Problema_2_05_05_2020 {
public static void main(String[] args) {
    int i=5;
    do {
        int j=1;
        do {
            System.out.printf("%3d", i);
            j++;}
        while(j<=i);
        System.out.println();
        i=i-1;}
    while(i>=1);
}
```

**Problema 3**

```
import java.util.Scanner;
public class Problema_3_05_05_2020 {
public static void main(String [] args) {
    Scanner sc=new Scanner(System.in);
    int n=sc.nextInt(); double sum1=0, sum2=0; int p=0;
    for(int i=1;i<=n;i++) {
        double d=Math.pow(i, 3);
        sum1=sum1+d;
        p=p+i;}
    sum2=Math.pow(p, 2);
    if(sum1>sum2) {
        System.out.println("Suma 1 este mai mare ca suma 2");}
    else if(sum1<sum2) {
        System.out.println("Suma 1 este mai mica ca suma 2");}
    else {
        System.out.println("Suma 1 este egala cu suma 1");}
    sc.close();
}
```