

### **Problema 7**

```
a)import java.util.Scanner;
public class For {
public static void main (String []args) {
Scanner MMM=new Scanner (System.in);
int n=MMM.nextInt();
int s=0,p=1;
for(int i=1; i<=n; i++) {
s=s+(2*i-1);
p=p*(2*i-1);
}
System.out.println("a)Suma:"+s);
System.out.println(" Produsul:"+p);
MMM.close();
}
}
```

```
b)import java.util.Scanner;
public class For {
public static void main (String []args) {
Scanner MMM=new Scanner (System.in);
int n=MMM.nextInt();
int s=0,p=1;
for(int i=1; i<=n; i++) {
s=s+(2*i);
p=p*(2*i); }
System.out.println("b)Suma:"+s);
System.out.println(" Produsul:"+p);
MMM.close();
}
}
```

```
c)import java.util.Scanner;
public class For {
public static void main (String []args) {
Scanner MMM=new Scanner (System.in);
int n=MMM.nextInt();
int s=0,p=1;
for(int i=1; i<=n; i++) {
s=s+(3*i);
p=p*(3*i);
}
System.out.println("c)Suma:"+s);
System.out.println(" Produsul:"+p);
MMM.close();
}
}
```

```
d)import java.util.Scanner;
public class For {
public static void main (String []args) {
Scanner MMM=new Scanner (System.in);
int n=MMM.nextInt();
int s=0,p=1;
for(int i=1; i<=n; i++) {
```

```

s=s+(4*i);
p=p*(4*i);
}
System.out.println("d)Suma:"+s);
System.out.println(" Produsul:"+p);
MMM.close();
}
}

```

### **Problema 8**

```

import java.util.Scanner;
public class Aista {
    public static void main( String [] args){
        Scanner DUM=new Scanner(System.in);
        int n=DUM.nextInt();
        System.out.println("n="+n);
        double s=0;
        for(int i=1; i<=n; i++)
        { if (i%2==0) { s-=1/i;} else { s=1/i;}
        }
        System.out.println("Suma:"+s);
        DUM.close();
    }
}

```

### **Problema de pe foaie**

```

import java.util.Scanner;
public class Mihai {
    public static void main(String[] args) {
        Scanner yung=new Scanner(System.in);
        int n=yung.nextInt();
        System.out.println("n="+n);
        double s=0, p=1;
        int i=1; while(i<=n){ s+=i/(i+1);
        p=p*i/(i+1); i++; }
        System.out.println("suma:"+s);
        System.out.println("produsul:"+p);
        yung.close();
    }
}

```