Problema 7 For

```java
import java.util.Scanner;
public class TemaInstructiuneFor {
public static void main(String []args) {
    Scanner sc=new Scanner(System.in);
    int sum1=0, sum2=0, sum3=0, sum4=0;
    double p1=1, p2=1, p3=3, p4=1;
    int n=sc.nextInt();
    for(int i=1;i<=n;i++)
    {
        sum1=sum1+2*i-1;
        p1=p1*(2*i-1);
        sum2=sum2+2*i;
        p2=p2*2*i;
        sum3=sum3+3*i;
        p3=p3*3*i;
        sum4=sum4+4*i;
        p4=p4*4*i;
}

    System.out.println("suma1="+sum1);
    System.out.println("produsul1="+p1);
    System.out.println("suma2="+sum2);
    System.out.println("produsul2="+p2);
    System.out.println("suma3="+sum3);
    System.out.println("produsul3="+p3);
    System.out.println("suma4="+sum4);
    System.out.println("produsul4="+p4);


    }
}
```

Problema 7 While

```java
import java.util.Scanner;
public class TemaInstructiuneWhile {
public static void main(String []args) {
    Scanner sc=new Scanner(System.in);
    int sum1=0, sum2=0, sum3=0, sum4=0;
    double p1=1, p2=1, p3=1, p4=1;
    int n=sc.nextInt();
    int i=1;
    while(i<=n)
    {
        sum1=sum1+2*i-1;
        p1=p1*(2*i-1);
        sum2=sum2+2*i;
        p2=p2*2*i;
        sum3=sum3+3*i;
        p3=p3*3*i;
        sum4=sum4+4*i;
        p4=p4*4*i;
        i++;
    }
    System.out.println("suma1="+sum1);
    System.out.println("produsul1="+p1);
    System.out.println("suma2="+sum2);
    System.out.println("produsul2="+p2);
    System.out.println("suma3="+sum3);
    System.out.println("produsul3="+p3);
```

```java
        System.out.println("suma4="+sum4);
        System.out.println("produsul4="+p4);
        }
}
```

Problema 8

For

```java
import java.util.Scanner;
public class TemaInstructiuneFor {
public static void main(String []args) {
        Scanner sc=new Scanner(System.in);
        double sum=0;
        int n=sc.nextInt();
        for(double i=1;i<=n;i++)
        {
                if((i%2)==0)
                {
                sum=sum-1/i;
                }
                else {
                        sum=sum+1/i;
                }
        }
        System.out.println("suma="+sum);

        }
}
```

While

```java
import java.util.Scanner;
public class TemaInstructiuneWhile {
public static void main(String []args) {
        Scanner sc=new Scanner(System.in);
        double sum=0;
        int n=sc.nextInt();
        double i=1;
        while(i<=n)
        {
                if((i%2)==0)
                {
                sum=sum-1/i;
                i++;
                }
                else {
                        sum=sum+1/i;
                        i++;
                }
                }
        System.out.println("suma="+sum);
        }
}
```

Problema din fişă

For

```java
import java.util.Scanner;
public class TemaInstructiuneFor {
public static void main(String []args) {
        Scanner sc=new Scanner(System.in);
        double sum=0;
        double p=1;
        int n=sc.nextInt();
        for(double i=1;i<=n;i++)
        {
                sum=sum+i/(i+1);
                p=p*(i/(i+1));
        }
        System.out.println("suma="+sum);
        System.out.println("produsul="+p);
        }
}
```

While

```java
import java.util.Scanner;
public class TemaInstructiuneWhile {
public static void main(String []args) {
        Scanner sc=new Scanner(System.in);
        double sum=0;
        double p=1;
        int n=sc.nextInt();
        double i=1;
        while(i<=n)
        {
                sum=sum+i/(i+1);
                p=p*(i/(i+1));
                i++;

                }
        System.out.println("suma="+sum);
        System.out.println("produsul="+p);
        }

}
```