

PROBLEMA 7 FOR

```
import java.util.Scanner ;

public class jinx {

    public static void main(String[]args) {

        Scanner sc=new Scanner(System.in) ;

        int sumA=1, sumB=0, sumC=0, sumD=0 ;

        double A1=1, A2=1, A3=3, A4=1;

        int n=sc.nextInt();

        for(int k=1;k<=n; k++) ;

        {

            double k;

            sumA=(int) (sumA+2*k-1) ;

            A1=A1*(2*k-1);

            sumB=(int) (sumB+2*k) ;

            A2=A2+2*k;

            sumC=(int) (sumC+4*k);

            A3=A3*3*k ;

            sumD=(int) (sumD+4*k);

            A4=A4*4*k ;


            System.out.println("suma1="+sumA);

            System.out.println("produs1="+A1);

            System.out.println("suma2="+sumB);

            System.out.println("produs2="+A2);

            System.out.println("suma3="+sumC);

            System.out.println("produs3="+A3);

            System.out.println("suma4="+sumD);

            System.out.println("produs4="+A4);

        }

    }

}
```

```
}
```

Problema 7 WHILE

```
import java.util.Scanner ;
```

```
public class loop {
```

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

```
    Scanner sc=new Scanner(System.in);
```

```
    int sumA=0 , sumB=0 ,sumC=0, sumD=0;
```

```
    double A1=1, A2=1, A3=1, A4=1 ;
```

```
    int n=sc.nextInt();
```

```
    int Q=1;
```

```
    while(Q<=n);
```

```
    {
```

```
sumA=sumA+2*Q-1 ;
```

```
A1=A1*(2*Q-1);
```

```
sumB=sumB*(2*Q-1);
```

```
A2=A2*2*Q;
```

```
sumC=sumC+3*Q ;
```

```
A3=A3*3*Q;
```

```
sumD=sumD+4*Q;
```

```
A4=A4*4*Q;
```

```
Q++ ;
```

```
    }
```

```
System.out.println("suma1="+sumA);
```

```
System.out.println("produs1="+A1);
```

```
System.out.println("suma1="+sumB);
```

```
System.out.println("produs2="+A2);
```

```
System.out.println("suma3="+sumC);
```

```
System.out.println("produs3="+A3);
```

```
System.out.println("suma4="+sumD);
```

```
System.out.println("produs4="+A4);
```

```
}  
}
```

Problema 8 FOR

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

Problema 8 WHILE

```
import java.util.Scanner;  
  
public class tik {  
    public static void main(String[]args) {  
        Scanner sc=new Scanner(System.in);  
        double sum=0;  
        int n=sc.nextInt();
```

```
double Q=1 ;
while(Q<=n);
{
    if((Q%2)==0);
    {
        sum=sum-1/Q;
        Q++;
    }
    else {
        sum=sum-1/Q;
        Q++;
    }
}
System.out.println("suma="+sum);
}
}
```