```java
import java.util.Scanner;
public class TestD {
public static void main(String [] args) {
        Scanner sc = new Scanner(System.in);
//ex.11
        System.out.println("introduceti un numar");
        int n=sc.nextInt();
        sc.close();
        int i=1;
        double s=0;
        while(true) {
                s+=Math.sqrt(i);
                i++;
                if(i==n+1)
                        break;
        }
        System.out.println("s="+s);
}
}


import java.util.Scanner;
public class Test2 {
public static void main(String [] args) {
        Scanner sc = new Scanner(System.in);
//ex.31
        System.out.println("introduceti un numar");
        int n=sc.nextInt();
        sc.close();
    int i=1;
    int d=1;
    while(true) {
       if ((n%i)==0) {
                d=d*i;
       }
       else {
                System.out.println("nu");
                break;
       }
       i++;
       if(d==n) {
                System.out.println("da");
                break;
       }
    }

}
}


import java.util.Scanner;
public class Test3 {
public static void main(String [] args) {
//ex.49
```

```java
        Scanner sc = new Scanner(System.in);
        System.out.println("introduceti valoarea acceleratiei");
        double a=sc.nextDouble();
        sc.close();
    double x=0;
    double v=0;
    double t=1;
    while(t<=10) {
        v=a*t;
        x=(a*Math.pow(t,  2))/2;
        System.out.println("t= "+t+" v="+v+" x="+x);
        t++;
    }


}
}

import java.util.Scanner;
public class Test4 {
public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Introduceti un sir:");
        String n=sc.nextLine();
        System.out.println("Introduceti un caracter:");
        char d=sc.next().charAt(0);
        int c=0;
        int i=0;
        int a=n.length();
        while(true) {
                if(n.charAt(1)==d) {
                        c=c+1;
                }
                i++;
                if(i==a) {
                        System.out.println(c);
                        break;
                }
        }
}
}
```