```java
package tema_loop;
import java.util.Scanner;

public class ex6 {
    public static void main (String [] args) {
        Scanner a = new Scanner (System.in);
        System.out.println("introduceti n:");
        int n = a.nextInt();
        for(int x = 'A'; x <= 'Z' ; x++) {
            System.out.println(x);
        }
        ex7 rez = new ex7();//
        ex8 r = new ex8();
        rez.Sum_Produs(n);
        rez.SumaProdus2(n);
        rez.SumaProdusul3(n);
        rez.SumaProdusul4(n);
        System.out.println("Suma fractiilor e :"+ r.SumaFractii(n));
        a.close();


    }

}




package tema_loop;

public class ex7 {
    public void Sum_Produs(int n) {
    int s = 2; int p =1;
    for (int i = 0; i < n; i++) {
        s=s + i * 2 + 1 ;
        p = p *(i*2+1);


        }
    System.out.println( "Suma e :"+ s);
    System.out.println("Produsul e :"+p);
}
    public void SumaProdus2(int n) {
        int s = 0;
        int p = 1;
        for(int i = 0 ; i< n; i++) {
            s= s+(i*2 +2);
            p= p *(i*2+2);
        }
        System.out.println("Suma este:"+s);
        System.out.println("Produsul e:"+p);
    }

    public void SumaProdusul3(int n) {
        int s = 0;
        int p = 1;
```

```java
            for(int i = 0;i<n;i++) {
                    s= s +i*2+3;
                    p=p*(i*2+3);
            }
            System.out.println("Suma e:"+s);
            System.out.println("Produsul e:"+p);
    }
        public void SumaProdusul4(int n) {
            int s = 0;
            int p =1 ;
            for(int i = 0;i< n ; i++) {
                    s=s + i*2+4;
                    p=p * (i*2+4);

            }
            System.out.println("Suma e:"+s);
            System.out.println("Produsul e:"+p);



        }


    }



package tema_loop;

public class ex8 {
    public double SumaFractii(int n) {
        double s = 0;
        for (int i = 1;i<=n; i++) {
            if (i % 2 == 0) {
                    s = s-1.0/i;
            }
            else {
                    s = s+ 1.0/i;
            }
        }
        return s;

                }

            }
```