

1.

```
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);
        }
        a.close();
    }
}
```

2.

```
import java.util.Scanner;
public class Ex7 {
    public static void main (String [ ]args) {
        Scanner s1= new Scanner(System.in);
        System.out.println ("Introduceți n");
        int n =s1.nextInt();
        s1.close();
        int s=0; int p=1;
        int a=0; int b=1;
        int c=0; int d=1;
        int e=0; int f=1;
        for (int i=1; i<=n; i++) {
            s=s+(2*i-1);
            p=p*(2*i-1);
        }
        System.out.println ("a")+s+" "+p);
        for (int j=1; j<=n; j++) {
            a=a+(2*j);
            b=b*(2*j);
        }
        System.out.println ("b")+a+" "+b);
        for (int k=1; k<=n; k++) {
            c=c+(2*k);
            d=d*(2*k);
        }
        System.out.println ("c")+c+" "+d);
        for (int l=1; l<=n; l++) {
            e=e+(2*l);
            f=f*(2*l);
        }
        System.out.println ("d")+e+" "+f);
    }
}
```

3.

```
import java.util.Scanner;
public class Ex8 {
    public static void main (String [ ]args) {
        Scanner s1= new Scanner(System.in);
        System.out.println ("Introduceți n");
        int n =s1.nextInt();
        s1.close();
        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;
            }
            System.out.println(i);
        }
    }
}
```