```java
//38. Create a program to find the maximum and
minimum element in an array.
import java.util.Scanner;

public class MaxMinArray {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter number of elements: ");
        int n = scanner.nextInt();
        int[] arr = new int[n];

        System.out.println("Enter the elements:");
        for (int i = 0; i < n; i++) {
            arr[i] = scanner.nextInt();
        }

        int max = arr[0];
        int min = arr[0];

        for (int num : arr) {
            if (num > max) max = num;
            if (num < min) min = num;
        }

        System.out.println("Maximum element = " + max);
        System.out.println("Minimum element = " + min);
        scanner.close();
    }
}
```