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```
public class ArrayExample {  
    public static void main(String[] args) {  
        int[] a = {10, 20, 30, 40, 50};  
  
        // find sum of all elements  
        int sum = 0;  
        for (int i = 0; i < a.length; i++) {  
            sum += a[i];  
        }  
        System.out.println("Sum of all elements: " + sum);  
  
        // find greatest element  
        int max = a[0];  
        for (int i = 1; i < a.length; i++) {  
            if (a[i] > max) {  
                max = a[i];  
            }  
        }  
        System.out.println("Greatest element: " + max);  
  
        // find smallest element  
        int min = a[0];  
        for (int i = 1; i < a.length; i++) {  
            if (a[i] < min) {  
                min = a[i];  
            }  
        }  
        System.out.println("Smallest element: " + min);  
    }  
}
```

Output:

Sum of all elements: 150

Greatest element: 50

Smallest element: 10