

Task . Find the maximum element in an array of n integers

```
public class MaxElement {  
  
    public static void main(String[] args) {  
  
        int[] numbers = {12, 45, 67, 23, 89, 34};  
  
        int max = numbers[0]; // assume first element is max  
  
        for (int i = 1; i < numbers.length; i++) {  
  
            if (numbers[i] > max) {  
  
                max = numbers[i];  
  
            }  
  
        }  
  
        System.out.println("Maximum element is: " + max);  
  
    }  
}
```

MaxElement.java	Output
<pre>1 public class MaxElement { 2 public static void main(String[] args) { 3 int[] numbers = {12, 45, 67, 23, 89, 34}; 4 5 int max = numbers[0]; // assume first element is max 6 for (int i = 1; i < numbers.length; i++) { 7 if (numbers[i] > max) { 8 max = numbers[i]; 9 } 10 } 11 12 System.out.println("Maximum element is: " + max); 13 } 14 } 15</pre>	<pre>Maximum element is: 89 === Code Execution Successful ===</pre>