

# Challenge 1: Find the Maximum Value

In this challenge, you will figure out how to find out the maximum value stored in an Integer Array.

## We'll cover the following



- Problem statement
- Input
- Output
- Sample input & output
- Pictorial representation

## Problem statement #

Write a method named *findMaxVal()* to find the maximum integer value stored in an Array of any size.

## Input #

- The input to the method will be an array passed as a parameter.

## Output #

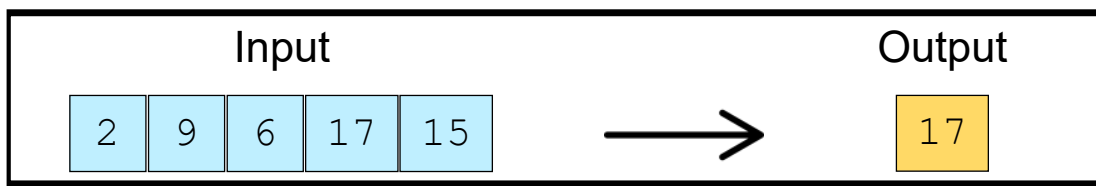
- As an output the method will return the maximum value found in the array.

## Sample input & output #

**Input:** {4, 10, 12, 17, 11}

**Output:** 17

## Pictorial representation #



Think over the problem carefully and write your code below. It's recommended that you try solving the problem by yourself before referring to the solution part.

**Good luck!**

```
class CheckMax {  
  
    public static int findMaxVal(int[] arr) {  
  
        // Write your code here  
        return -1;  
    }  
}
```



Hint 1 of 1

< Traverse over the array element by element and update the variable containing the maximum value if next value is greater than the previous. >

Find the Maximum Value

Let's discuss the solution of the above challenge in the next lesson.