## Implement a Simple Array Processor

You need to complete the implementation of the getMax() method inside the Number Array class. This method should return the largest number from the array.

## Tasks:

- 1. Complete the getMax() method in the template section.
- 2. The method should iterate through the array and find the largest value.

3 8 1 5 7

## Example Output:

Max: 8, Min: 1

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1	10 12 14 16 18	Max: 18, Min: 10	Max: 18, Min: 10\n	Passed

The due date for submitting this assignment has passed. 1 out of 1 tests passed.

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You scored 100.0/100.
Assignment submitted on 2025-03-06, 13:29 IST
Your last recorded submission was
   import java.util.Scanner;
      // Class to store and process an array of numbers class NumberArray { private int[] numbers; // This array will store the numbers given by the user
 public int getMin() {
    // Assume the first element is the smallest
    // Return the smallest number found
int min = numbers[0];
for(int i: numbers){
    if(i < min){
        min = i;
    }
}</pre>
                    // Read 5 integers from the user and store them in an array
int[] arr = new int[5]; // Create an array of size 5
for (int i = 0; i < arr.length; i++) {
    arr[i] = scanner.nextInt(); // Read numbers from user</pre>
                    // Create an instance of NumberArray and print max & min values
NumberArray numArray = new NumberArray(arr);
System.out.println("Max: " + numArray.getMax() + ", Min: " + numArray.getMin());
                    scanner.close(); // Close scanner to free resources
Sample solutions (Provided by instructor)
   import java.util.Scanner;
      // Class to store and process an array of numbers
class NumberArray {
    private int[] numbers; // This array will store the numbers given by the user
             // Constructor to initialize the array
public NumberArray(int[] numbers) {
   this.numbers = numbers;
      } return max; // Return the largest number found
```

public int getMin() {
 int min = numbers[0]; // Assume the first element is the smallest
 for (int num : numbers) {
 if (num < min) {
 min = num; // Update min if a smaller number is found
 remains it in the smaller number is found
}</pre> }
return min; // Return the smallest number found // Main class to test the NumberArray class
public class W07\_4 {
 public static void main(String[] args) {
 Scanner scanner = new Scanner(System.in); // Read 5 integers from the user and store them in an array
int[] arr = new int[5]; // Create an array of size 5
for (int i = 0; i < arr.length; i++) {
 arr[i] = scanner.nextInt(); // Read numbers from user</pre> // Create an instance of NumberArray and print max & min values
NumberArray numArray = new NumberArray(arr);
System.out.println('Max: " + numArray.getMax() + ", Min: " + numArray.getMin()); scanner.close(); // Close scanner to free resources