```java
package Arrays;
//Challenge: Find the largest and smallest element in an array
public class Challenge1 {
	public static void main(String[] args) {
		int[] arr = {4,6,2,9,1,3,8};
	int smallest = arr[0];
	int largest = arr[0];
	for (int i=0; i<arr.length; i++) {
	   if (arr[i] < smallest) smallest = arr[i];
	   if (arr[i] > largest) largest = arr[i];
	}
	System.out.println("Smallest element in the array is: " + smallest);
	System.out.println("Largest element in the array is: " + largest);
	    }
}
```

```java
package Arrays;
import java.util.Arrays;
//Challenge: Sort an array in ascending order.
public class Challenge2 {
	public static void main(String[] args) {
		int[] arr = {4,6,2,9,1,3,8};
		int[] sortedArray = Arrays.copyOf(arr, arr.length);
	Arrays.sort(sortedArray);
	System.out.println("Original array: " + Arrays.toString(arr));
	System.out.println("Sorted array: " + Arrays.toString(sortedArray));

	    }
}
```

```java
package Arrays;
//Challenge: Calculate average of numbers in an array.
public class Challenge3 {
	public static void main(String[] args) {
		int[] arr = {4,6,5,7,2};
		float sum=0;
		for(int i=0; i<arr.length; i++) {
			sum+=arr[i];
		}
		System.out.println("Average of numbers in an array: "+ (sum/arr.length));
	}
}
```

```java
package Arrays;
import java.util.Arrays;
```

```java
import java.util.Scanner;
//Challenge: Count occurrence of an element.
public class Challenge4 {
	public static void main(String[] args) {
		Scanner sc = new Scanner(System.in);
		int[] arr = {4,6,5,7,2,2,6,3,3,7,4,1,3,1,1};
		System.out.println("Array is: "+ Arrays.toString(arr));
		System.out.print("Enter a number to get its occurance: ");
		int n = sc.nextInt();
		int count=0;
		for(int i=0; i<arr.length; i++) {
			if(arr[i]==n) {
				count++;
			}
		}
		System.out.println("Occurance of "+n+" is : "+ count);
		sc.close();
	}
}
```

```java
package Arrays;
import java.util.Arrays;
//Challenge: Reverse elements of an array.
public class Challenge5 {
	public static void main(String[] args) {
		int[] arr = {1,2,3,4,5,6};
		System.out.println("Original Array: "+ Arrays.toString(arr));
		 System.out.print("Reversed array: ");
	    for (int i = arr.length - 1; i >= 0; i--) {
		if(i == arr.length -1) {
			System.out.print("[");
		}
		for(i = arr.length - 1; i > 0; i--) {
			System.out.print(arr[i] + ", ");
		}
		if(i == 0) {
			System.out.print(arr[i]+"]");
		}
	    }
	}
}
```