For all questions, consider the array below as an example of what we should be creating:

```
int[] arr = {4, 7, 2, 9, 4, 7};
```

1) Write a method that returns the average of any integer array passed as a parameter.

2) Write a method that returns the maximum value of any integer array passed as a parameter.

3) Write a method that returns the minimum value of any integer array passed as a parameter.

4) Write a method that returns the range value of any integer array passed as a parameter.
   a. The range is just maximum value – minimum value.

5) Write a method that returns the number of times an integer value is in any integer array passed as a parameter.

6) *Write a method that returns the first index of a value in any integer array passed as a parameter, -1 otherwise.

7) Write a method that returns the last index of a value in any integer array passed as a parameter, -1 otherwise.

8) Write a method that switches two values based on the indexes passed as parameters. If either index is not found, do nothing.

9) Write a method that switches two values based on the elements passed as parameters. If either value is not found, do nothing.

10) Write a method that returns true if any integer array passed as a parameter is in ascending order, false otherwise.

11) Write a method that switches any two consecutive indexes when the second index element is smaller than the first index element. (Be careful about bounds.)