Group exercises #5:

1) Simplify the code below using an array. There shouldn't be any if/else if statements left in your solution. Assume that the integer c passed to the method is between 0 and 4.

```
public static int monetaryValue(int c) {
if (c == 0) {
        return 1;
} else if (c == 1) {
        return 5;
} else if (c == 2) {
        return 10;
} else if (c == 3) {
        return 25;
} else {
        return 100;
}
}
```

2) Write a method that takes an array of doubles and that returns the largest element in the array.

3) Write a method isSorted(double[] a) that takes an array of doubles a and that returns true if the array is sorted and false if not. An array a is sorted if
$$a[0] \leq a[1] \leq \cdots \leq a[a.length - 1]$$

4) Write a method, flipArray(String[] a), that takes an array of Strings a and that reverses it. For instance, if the array a is ["Monday", "Tuesday", "Wednesday", "Thursday"], the call flipArray(a) would change a to ["Thursday", "Wednesday", "Tuesday", "Monday"]. You can't use an array other than a, or an ArrayList in your solution.