Pseudo-code Algorithms practice

In a list of numbers, the number that occurs most often is called the mode of the list. For example, consider the following list of numbers:

2, 5, 6, 7, 7, 10, 11, 11, 13, 15, 15, 15, 19, 20, 20

The number which occurs most often in the above list is 15 ( it occurs 3 times). Therefore, 15 is the mode of this list.

Write the program that reads the values, populate an array and displays the mode of the array.

1. Assume that the values in the array are sorted in increasing order. When looking for the mode, the program should take benefit of the fact that the numbers are ordered and same number are stored in consecutive locations.
2. Assume that the values in the array are not sorted.

Convert your code to a pseudo-code.

**Input example for a):**

16

2 5 6 7 7 10 11 11 13 15 15 15 19 20 20 21

**Output:**

Mode is 15

**Input example for b):**

8 🡪 how many numbers will be in the array

6 2 3 3 4 4 5 1 🡪 array itself

**Output:**

Mode is 3 🡪 3 and 4 occurred the same number of time, but 3 is the first value