1. **Double pointer approach** is used when we want to reduce the time complexity of a solution from O(n^2) to O(n).
2. We will have to use the **binary search** in problems in which we have to decide whether we have to go left side or right side of the array, so that the reduced time complexity will become O(logn). Also it is used in the question that asks about the minimum of the maximum quantity, or conversely, maximum of the minimum quantity. In that case we can think to use the binary search, by transforming the given question array, into the values of all possible answers, and then deciding whether the mid is valid value or not, through another function, and then if valid, check if we have to go left or right, depending on the question.