9/25/23 - Input A: a list of IDs - Assumption: there exists on ID that appears strictly more than 50% of the times in A (so there wont be two max values) - Output: the ID that appears the most
- Design an efficient algorithm that identifies the output ID and why you think it's correct about him works >501/ algorithm - Starts with a hash map - Goes through the 15st of Fds - Sets the value as the 1d and the key as the amount of times it appears - Checks which key is the greatest - Returns the value associated with that key int covota = 0 - Bet all the keys in an array; using quicksort or tim Sort -sort the array - return the value associated with the last keyevalue. in the = arraykeys size()-1) -runtine of O(nlogn)