Qn Link : <https://www.geeksforgeeks.org/maximum-distance-two-occurrences-element-array/>

public int maxDistance(int[] arr) {

// Code here

Map<Integer , Integer> map = new HashMap<>();

int n = arr.length;

int max = Integer.MIN\_VALUE;

for(int i = 0 ; i < n; i++){

//If exists calculate the sum

if(map.containsKey(arr[i])){

max = Math.max(max , i - map.get(arr[i]));

}

//Put the element in the map only if it is not exist

else{

map.put(arr[i] , i);

}

}

return max;

}