1/11/25, 3:52 PM 23D21A05H4-Elections

STUDENT REPORT Roll Number SAMALA JAHNAVI 23D21A05H4 **EXPERIMENT** Title 23021A051A Description Source Code: You are the head of the election committee in your village. def find_winning_party(N,A): Each Political party is associated with a unique number and if N==1: the votes are represented as an integer array A. where each return A[0] element contains the party number voted for by the vote_count={} for vote in A: villagers. For a party to win, they must have a majority of if vote in vote_count : votes. our task is to find and return an integer value vote_count[vote]+=1 denoting the winning party's number. Return -1 if there is no party with a majority. vote_count[vote]=1 max_votes = max(vote_count.values()) Note: If only one vote is there he is the winner. max_parties = [party for party,count in vote_coun t.items() if count == max_votes] **Input Format:** if len(max_parties) == 1 : return max_parties[0] input1: An integer value representing the number the else: number of voters return -1 N = int(input()) input2: An integer array A representing the votes of the A = list(map(int,input().split())) print(find_winning_party(N,A)) output Format: Return an integer value denoting the winning party's number.Return -1 there is no party with a majority Example 1: Input: 112223 **Output: Explanation:** As 2 got the most number of votes i.e 3. Example 2: Input: 121122 **Output:** -1 **Explanation:** As both the contestants got same votes there is no 6 / 6 Test Cases Passed | 100 %

1/11/25, 3:52 PM 23D21A05H4-Elections