DETAILS
Nam ARVII Number 3BR23CS014 **EXPERIMENT** ARDUINO Descriptivn Tvm is an Arduinv Prvgrammer. He has designed a prvgram tv run his rvbvcar vn a hvrizvntal number line. Initially, the car is parked at: 0. Given an array A vf N integers which can be A. B. C... the rvbvcar runs as follows as per the designed program First the rvbvcar mvves A units in specified directivn(right in case the integer is pvsitive and left if the integer is negative). Then rybycar first myves A units and then B units in a specified directivn. In the next step, the rybycar myves A units. B units, and then C units in a specified directivn. This process keeps on repeating as per the number of integers in the sequence.. Yvur task is tv find and retum an integer value, representing the farthest cvvrdinate reached by the rvbvcar frvm the beginning tv the end vf the process. Sample Input: 1-234 Sample Output: Svurce Cvde: def find_farthest_coordinate(arr): $current_position = 0$ $max_distance = 0$ for i in range(len(arr)): current_position += arr[i] max_distance = max(max_distance, abs(current_position)) return max_distance arr = list(map(int,input(). split())) result = find_farthest_coordinate(arr) print(result)

RESULT