9/28/24, 12:15 PM KUB23ECE005-Arduino

Logo STUDENT REPORT **DETAILS** Roll Number Name ARUN KUMAR KUB23ECE005 **EXPERIMENT** Title ARDUINO Description Source Code: Tom is an Arduino Programmer. He has designed a program to def find\_farthest\_coordinate(arr): run his robocar on a horizontal number line. Initially, the car is current\_position = 0 parked at: 0. Given an array A of N integers which can be A. B. max\_distance = 0 C... the robocar runs as follows as per the designed program for i in range(len(arr)): First the robocar moves A units in specified direction(right current\_position += arr[i] max\_distance = max(max\_distance, abs(current\_posit in case the integer is positive and left if the integer is ion)) negative). return max\_distance Then robocar first moves A units and then B units in a arr = list(map(int,input(). split())) specified direction. result = find\_farthest\_coordinate(arr) print(result) In the next step, the robocar moves A units. B units, and then C units in a specified direction. This process keeps on repeating as per the number of integers in the sequence.. Your task is to find and return an integer value, representing the farthest coordinate reached by the robocar from the beginning to the end of the process. Sample Input: 1 -2 3 4 Sample Output: **RESULT** 5 / 5 Test Cases Passed | 100 %

~ the

. 6005

TIB!

(823°

9/28/24, 12:15 PM KUB23ECE005-Arduino