Modify This

ZPRAC-16-17-Lab11

MODIFY THIS [30 points]

ANNOUNCEMENT:

Up to 20% marks will be allotted for good programming practice. These include

- Comments for non trivial code

- Indentation: align your code properly

Given an array A of N integers and M increment operations, you must print the final state of the array after all operations.

An increment operation takes two arguments - a pointer to an array element and an integer value and it increments the array element by this value. This operation must be implemented using a void function, whose template is given. Do not modify the arguments of the template, you are supposed to fill in the code for the function body only.

Given an index i and a value delta, you must increment A[i] by d by passing the pointer of this array element to the void function.

Input Format:

First line contains N and M, where N is the size of integer array A and M is the number of increment operations.

Second line contains N integers of the array A.

Each of the next M lines contain an index i and an integer value delta corresponding to the increment of A[i] by value delta.

Constraints:

1 < N < 10000

1 < M < 100

Output Format:

You must print N comma separated integers corresponding to the final array A after all M increment operations.

Example:

Given Input:

5 2
9 5 6 0 3
0 -4
2 2

Expected Output:
5,5,8,0,3