range_query

You have an array A of size N, initially every element is zero.

You have to process Q queries, each is one of the following

"add x y" - add y to A[x]
"query x y" - print A[x] + A[x+1] + … + A[y]

Input:
N Q
The next Q lines are queries as mentioned above

Output:
The result of each "query" type queries, seperated by a space

Sample Input 1:
10 4
add 1 2
add 5 3
query 1 4
query 1 5

Sample Output 1:
2 5

Notes:
Everything fits in 32-bit integer.
The array A is one-indexed