**Find Sum of Range  [l……….r] where(l<=r) using Prefix sum.**

**Sample test case :**

**Arr = [1 ,2 ,3 , 4 ,5 , 6]**

**Query = [[1 , 4] , [3 , 5] , [1 , 5]]**

**Output : [14 , 15 , 20]**

**Arr = [5 , 6 , 1 , 2 , 0]**

**Query = [[1 , 3 ] , [4 , 4]]**

**Output : [9 , 0]**

private static int rangeQuery(int [] nums , int [][] query){

int n = nums.length;

int [] prefix = new int[n];

int m = query.length;

prefix[0] = nums[0];

for(int i = 1 ; i < n; i++){

prefix[i] = nums[i] + pefix[i - 1];

}

int [] ans = new int[m];

for(int i = 0 ; i < m ; i++){

int left = query[i][0];

int right - query[i][1];

if(left != 0)

ans[i] = prefix[right] - prefix[left];

else

ans[i] = prefix[right];

}

return ans;

}