2652. Sum Multiples

Demand: given a positive integer n, find the sum of all integers in the range [1, n] inclusive that are divisible by 3, 5, or 7. Return an integer denoting the sum of all numbers in the given range satisfying the constraint.

code

class Solution {

public:

int sumOfMultiples(int n) {

int count=0;

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

if(i%3==0){count+=i;}

else if(i%5==0){count+=i;}

else if(i%7==0){count+=i;}

}

return count;

}

};

ANALYSIS

Runtime 4ms, beats 32.2%

Memory 5.9mb, beats 92.36%