**Square(n) Sum**

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C++

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Complete the squareSum method so that it squares each number passed into it and then sums the results together.

For example:

square\_sum({1, 2, 2}); // should return 9

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#include <string>

#include <iostream>

#include <vector>

using namespace std;

int square\_sum(const std::vector<int>& numbers)

{

int sum =0;

for(int i =0; i<numbers.size(); i++) {

sum += (numbers[i] \* numbers[i]);

}

return sum;

}

int main() {

int arr[] = {0, 3, 4, 5};

std::vector<int> v;

for(int i =0; i<4; i++) {

v.push\_back(arr[i]);

}

int sum = square\_sum(v);

cout << sum << endl;

system("pause");

return 0;

}

------------otra solución-------------

**#include <numeric>**

**#include <vector>**

**int square\_sum(const std::vector<int>& numbers)**

**{**

**return std::accumulate(numbers.begin(), numbers.end(), 0, [](int a, int b) {return a + b \* b;});**

**}**