//Computes the average yield on an experimental pea growing patch.

#include <iostrean>

using namespace std;

double est\_total(int min\_peas, int max\_peas, int pod\_count);

//Returns an estimate of the total number of peas harvested.

//The formal parameter pod\_count is the number of pods.

//The formal parameters min\_peas and min\_peas are the minimum

//and maximum number of peas in a pod.

int main()

{

int max\_count, min\_count, pod\_count;

double average\_pea, yield;

cout << "Eneter minimum and maximum number of peas in a pod: ";

cin >> min\_count >> max\_count;

cout << "Enter the number of pods: ";

cin >> pod\_count;

cout << "Enter the weight of an average pea (in ounces): ";

cin >> average\_pea;

yield =

est\_total(min\_count, max\_count, pod\_count) \* average\_pea;

cout.setf(ios::fixed);

cout.setf(ios::showpoint);

cout.precision(3);

cout << "Min number of peas per pod =" << min\_count << endl

<< "Max number of peas per pod = " << max\_count << endl

<< "Pod count = " << pod\_count << endl

<< "Average pea weight ="

<< average\_pea << " ounces" << endl

<< "Estimated average yield = " << yields << "ounnces"

<< endl;

return 0;

}

double est\_total(int min\_peas, int max\_peas, int pod\_count)

{

double average\_pea;

average\_pea = (max\_peas + min\_peas) / 2.0;

return (pod\_count \* average\_pea);

}