// This program displays the numbers 1 through 10 and their squares.

#include <iostream>

using namespace std;

/\*int main()

{

const int MIN\_NUMBER = 1, // Starting value

MAX\_NUMBER = 10; // Ending value

int num;

cout << "Number Number Squared\n";

cout << "-------------------------\n";

for (num = MIN\_NUMBER; num <= MAX\_NUMBER; num++)

cout << num << "\t\t" << (num \* num) << endl;

int x, y;

for (x = 1, y = 1; x <= 5; x++)

{

cout << x << " plus " << y

<< " equals " << (x + y)

<< endl;

cout << x << " minus " << y

<< " equals " << (x - y)

<< endl;

// This program calculates the total number of points a soccer team has earned

// over a series of games. The user enters a series of point values, then -1

// when finished.

int game = 1, // Game counter

points, // To hold a number of points

total = 0; // Accumulator

cout << "Enter the number of points your team has earned\n";

cout << "so far in the season, then enter -1 when finished.\n\n";

cout << "Enter the points for game " << game << ": ";

cin >> points;

while (points != -1)

{

total += points;

game++;

cout << "Enter the points for game " << game << ": ";

cin >> points;

}

cout << "\nThe total points are " << total << endl;

// Determine each student's average score.

const int numStudents = 5; // number of students

const int numTests = 3; // number of tests

int total; // total number of scores

double average; // average of the scores

for (int student = 1; student <= numStudents; student++)

{

total = 0; // Initialize the accumulator.

for (int test = 1; test <= numTests; test++)

{

double score;

cout << "Enter score " << test << " for ";

cout << "student " << student << ": ";

cin >> score;

total += score;

}

average = total / numTests;

cout << "The average score for student " << student;

cout << " is " << average << ".\n\n";

// This program has two functions: main and displayMessage

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

// Definition of function displayMessage \*

// This function displays a greeting. \*

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

void displayMessage()

{

cout << "Hello from the function displayMessage.\n";

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

// Function main \*

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

int main()

{

cout << "Hello from main.\n";

displayMessage();

cout << "Back in function main again.\n";\*/

// This program has three functions: main, First, and Second.

// Function Prototypes

void first();

void second();

int main()

{

cout << "I am starting in function main.\n";

first(); // Call function first

second(); // Call function second

cout << "Back in function main again.\n";

return 0;

}

// Definition of function first.

// This function displays a message.

void first()

{

cout << "I am now inside the function first.\n";

}

// Definition of function second.

// This function displays a message.

void second()

{

cout << "I am now inside the function second.\n";

}