//**04-08** default arguments

#include <iostream>

#include <conio.h>

using namespace std;

void showVolume(int length, int width = 1, int height = 1); //default argument

//d a only with call-by-value parameters

// d a only on rightmost positions

//no more declarations with default argument

//Returns the volume of a box.

//If no height is given, the height is assumed to be 1.

//If neither height nor width are given, both are assumed to be 1.

int main( )

{

showVolume(4, 6, 2);

showVolume(4, 6); //omit default arg. starting from the right

showVolume(4);

system("pause");

return 0;

}

void showVolume(int length, int width, int height) //no default argument

{

cout << "Volume of a box with \n"

<< "Length = " << length << ", Width = " << width << endl

<< "and Height = " << height

<< " is " << length\*width\*height << endl;

}