/// Andrew Souza

/// Comp 210 -- Spring 2024

/// Exam 1

#include <iostream>

#include <string>

#include <sstream>

using namespace std;

// Write a recursive function that prints an integer

// with decimal separators.

// For example, 12345678 should be printed as 12,345,678.

void convertInt(int value, int digitCount, ostringstream& os) {

if (value == 0) {

return;

} else {

if (digitCount % 3 == 0) { // This may leave a trailing comma at the end.

os << ",";

}

os << value % 10;

convertInt(value / 10, ++digitCount, os);

}

}

int main() {

int input;

int digitCount = 0;

string result;

ostringstream os;

cout << "Enter an int value: ";

cin >> input;

convertInt(input, digitCount, os);

result = os.str();

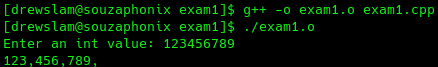
for (int i = result.size() - 1; i >= 0; i--) {

cout << result.at(i);

}

cout << endl;

return 0;

}