// 7-Reverse\_Integer.cpp : This file contains the 'main' function. Program execution begins and ends there.

//

#include <iostream>

class Solution {

public:

int reverse(int x) {

int rev = 0;

while (x != 0) {

int pop = x % 10;

x /= 10;

if (rev > INT\_MAX / 10 || (rev == INT\_MAX / 10 && pop > 7)) return 0;

if (rev < INT\_MIN / 10 || (rev == INT\_MIN / 10 && pop < -8)) return 0;

rev = rev \* 10 + pop;

}

return rev;

}

};

int main()

{

Solution sol;

int answer;

answer = sol.reverse(123);

std::cout << answer << std::endl; // 321

answer = sol.reverse(-123);

std::cout << answer << std::endl; // -321

answer = sol.reverse(120);

std::cout << answer << std::endl; // 21

}