include #include <limits.h>

int reverse(int x) { int reversed = 0; while (x != 0) { int digit = x % 10; x /= 10;

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

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

reversed = reversed \* 10 + digit;

}

return reversed;

}

int main() { int x = 123; std::cout << "Reversed: " << reverse(x) << std::endl;

x = -123;

std::cout << "Reversed: " << reverse(x) << std::endl;

x = 1534236469;

std::cout << "Reversed: " << reverse(x) << std::endl;

return 0;

}