# 7. Reverse Integer

Given a signed 32-bit integer x, return x with its digits reversed. If reversing x causes the value to go outside the signed 32-bit integer range [-231, 231 - 1], then return 0.

Assume the environment does not allow you to store 64-bit integers (signed or unsigned).

## SOLUTION IN C++

class Solution {

public:

int reverse(int x) {

long ans = 0;

while (x != 0) {

ans = ans \* 10 + x % 10;

x /= 10;

}

return (ans < INT\_MIN || ans > INT\_MAX) ? 0 : ans;

}

};