




7. Reverse Integer

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Solved 

Medium

 Topics

 Companies

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 $[-2^{31}, 2^{31} - 1]$, then return 0 .

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

Example 1:

Input: `x = 123`

Output: `321`

Example 2:

Input: `x = -123`

Output: `-321`

Example 3:

Input: `x = 120`

Output: `21`

Constraints:

- $-2^{31} \leq x \leq 2^{31} - 1$

```
class Solution {
public:
    int reverse(int x) {
        int rev=0;
        while(x!=0){
            int l = x%10;
            if((rev>INT_MAX/10) || (rev< INT_MIN/10) ){
                return 0;
            }
            rev = (rev*10)+l;
            x = x/10;
        }
    }
};
```

```
    }  
    return rev;  
}  
};
```