

```
class Solution {  
    public int reverse(int x) {  
        long res = 0;  
        while (x != 0) {  
            res = res * 10 + x % 10;  
            x /= 10;  
        }  
        return res < Integer.MIN_VALUE || res > Integer.MAX_VALUE ? 0 : (int)res;  
    }  
}
```