https://course.acciojob.com/idle?question=b72cbf47-64e8-41e6-b6c7-285988367003

- EASY
- Max Score: 30 Points

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

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

Input Format

The first line of input contains the integer `n`.

Output Format

Print the integer `n` in reverse if it lies within the range, else print 0.

Example 1

Input

```
321
```

Output

```
123
```

Example 2

Input

```
-321
```

Output

```
-123
```

Example 3

Input

```
120
```

Output

```
21
```

Constraints

```
-2^31 <= x <= 2^31 - 1
```

Topic Tags

- Math
- Stacks

My code

```
// n java/*import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
```

```
        public static void main (String[] args) throws
java.lang.Exception
        {
                //your code here
      Scanner s=new Scanner(System.in);
      String str=s.next();
      Stack<Character> stk=new Stack<>();
                if(str.charAt(0)=='-')
                  System.out.print("-");
              else   stk.push(str.charAt(0));
      for(int i=1;i<str.length();i++)
        stk.push(str.charAt(i));
   while(!stk.empty())
        System.out.print(stk.pop());
      System.out.print("\n");



        }
}*/
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main {
    public static void main(String[] args) throws java.lang.Exception {
        // your code here
        Scanner s = new Scanner(System.in);
        int n = s.nextInt();
        long sum = 0;
        if (n == 0) {
```

```
            System.out.print(sum);
            return;
        }
        if (n > 0)
            while (n > 0) {
                int r = n % 10;
                n = n / 10;
                sum = (sum * 10) + r;
            }
        else
            while (n < 0) {
                int r = n % 10;
                // System.out.print(r+" HELLO ");
                n = n / 10;
                sum = (sum * 10) + r;
            }
        if (sum < Integer.MIN_VALUE || sum > Integer.MAX_VALUE) {
            System.out.println(0);
        } else {
            System.out.println(sum);
        }
    }
}
```