**[Divide Two Integers](https://leetcode.com/problems/divide-two-integers/)**

Given two integers dividend and divisor, divide two integers ****without**** using multiplication, division, and mod operator.

The integer division should truncate toward zero, which means losing its fractional part. For example, 8.345 would be truncated to 8, and -2.7335 would be truncated to -2.

Return the ****quotient**** after dividing dividend by divisor.

****Note:****Assume we are dealing with an environment that could only store integers within the ****32-bit**** signed integer range: [−231, 231 − 1]. For this problem, if the quotient is ****strictly greater than**** 231 - 1, then return 231 - 1, and if the quotient is ****strictly less than**** -231, then return -231.

****Example 1:****

**Input:** dividend = 10, divisor = 3**Output:** 3**Explanation:** 10/3 = 3.33333.. which is truncated to 3.

****Example 2:****

**Input:** dividend = 7, divisor = -3**Output:** -2**Explanation:** 7/-3 = -2.33333.. which is truncated to -2.

**Solution:**

class Solution {

    public int divide(int dividend, int divisor) {

        int sign;

        if(dividend<0 || divisor<0)

        {

            sign=-1;

            return -1\*(dividend/divisor);

        }

        else

        {

          sign=1;

          return sign\*(dividend/divisor);

        }

    }

}