**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.

**Constraints:**

* -231 <= dividend, divisor <= 231 - 1
* divisor != 0