Day-31 of the 101 days coding challenge

Problem:

Given an integer n, return *true if it is a power of two. Otherwise, return false*.

An integer n is a power of two, if there exists an integer x such that n == 2x.

**Example 1:**

**Input:** n = 1

**Output:** true

**Explanation:** 20 = 1

**Example 2:**

**Input:** n = 16

**Output:** true

**Explanation:** 24 = 16

**Example 3:**

**Input:** n = 3

**Output:** false

**Constraints:**

* -231 <= n <= 231 - 1

Code:

 bool isPowerOfTwo(int n) {

        int result = 1;

        for(int i = 0; i<=30; i++){

            if(result == n){

                return true;

            }

          if(result<INT\_MAX/2) // value should not be greater

            result = result \* 2;

        }

return false;

    }