**[Power of Two](https://leetcode.com/problems/power-of-two/)**

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 ::::

class Solution {

public:

    bool isPowerOfTwo(int n) {

        if(!n) return false;

        if(n == 1) return true;

        return n % 2 == 0 and isPowerOfTwo(n / 2);

    }

}

Link : <https://leetcode.com/problems/power-of-two/description/?envType=daily-question&envId=2024-02-19>