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 == 21.

Example 1:

```
Input: n = 1
Output: true
Explanation: 20 = 1
```

Example 2:

```
Input: n = 16
Output: true
Explanation: 2<sup>n</sup> = 16
```

Example 3:

```
Input: n = 3
Output: false
```

Constraints:

```
• -2[5] <= n <= 2[5] - 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;
}</pre>
```