Problem Link:

<https://leetcode.com/problems/perfect-number/>

Solution:

class Solution {

public:

bool checkPerfectNumber(int num) {

if(num == 1)

return false;

int s = 1;

int l = (int)sqrt(num);

for(int i = 2; i <= l; ++i)

{

if(num % i == 0)

{

s += i;

int d = num / i;

if(d != i)

s += d;

}

}

return s == num;

}

};