Problem Link:

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

Solution:

class Solution {

public:

bool isHappy(int n) {

unordered\_set<int> s;

while(n != 1 && s.find(n) == s.end())

{

s.insert(n);

n = sumOfSquares(n);

}

return n == 1;

}

private:

int sumOfSquares(int n) {

int s = 0;

while(n > 0)

{

int d = n % 10;

s += d \* d;

n /= 10;

}

return s;

}

};