## 202. Happy Number

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Question Editorial Solution

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Write an algorithm to determine if a number is "happy".

A happy number is a number defined by the following process: Starting with any positive integer, replace the number by the sum of the squares of its digits, and repeat the process until the number equals 1 (where it will stay), or it loops endlessly in a cycle which does not include 1. Those numbers for which this process ends in 1 are happy numbers.

Example: 19 is a happy number

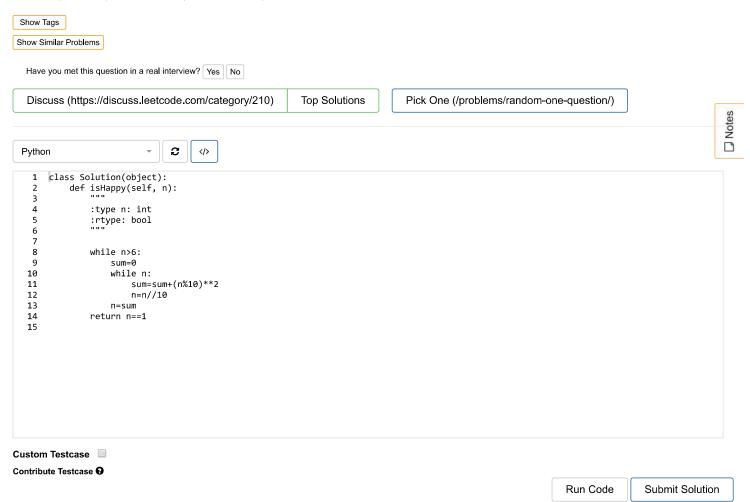
```
1^2 + 9^2 = 82
8^2 + 2^2 = 68
6^2 + 8^2 = 100
```

 $1^2 + 0^2 + 0^2 = 1$ 

## Credits:

Special thanks to @mithmatt (https://leetcode.com/discuss/user/mithmatt) and @ts (https://leetcode.com/discuss/user/ts) for adding this problem and creating all test cases.

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