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Week 1: April 1st–April 7th
Problems appear at midnight, Pacific

Single Number
Happy Number
Maximum Subarray

Week 2: April 8th–April 14th
The first problem for this section will

Week 3: April 15th–April 21st
The first problem for this section will

Happy Number

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:

Input: 19
Output: true
Explanation:
$1^2 + 9^2 = 82$
$8^2 + 2^2 = 68$
$6^2 + 8^2 = 100$
$1^2 + 0^2 + 0^2 = 1$

Python3

```
class Solution:

```

Week 4: April 22nd–April 28th

The first problem for this section will

Week 5: April 29th–April 30th

```
    def isHappy(self, n: int) ->
bool:
3
```