**Narcissistic Number**

**Requirements：**

(1) A narcissus number is an N-digit positive integer (N>=3) whose sum of the Nth powers of each digit is equal to itself. For example, 153= 13 + 53 + 33. The problem is to write a program that allows users to input a digit N randomly through the keyboard and then output all the N-digit narcissus numbers.

(2) **Input format:** please let the user give a positive integer N (3<=N<=7) in a line through the keyboard.

(3) **Output format:** output all N-digit narcissus numbers in ascending order, with each number occupying one line.

**For example:**

**Input:**

**3**

**Output:**

**153**

**370**

**371**

**407**