

Session 100%

Assignment 4/4

Homework 1/2

Help Requests

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Your Score: 100

Max Score: 100

Q1. Armstrong Numbers!

</>

Solved

Stuck somewhere?

Ask for help from a TA and get it resolved.

Get help from TA.

Problem Description

You are given an integer **N** you need to print all the **Armstrong Numbers** between **1** to **N**.

If sum of cubes of each digit of the number is equal to the number itself, then the number is called an Armstrong number.

For example, $153 = (1 * 1 * 1) + (5 * 5 * 5) + (3 * 3 * 3)$.

Problem Constraints

1 <= N <= 500

Input Format

First and only line of input contains an integer **N**.

Output Format

Output all the Armstrong numbers in range **[1,N]** each in a new line.

Example Input

Input 1:

5

Input 2:

200

Example Output

Output 1:

1

Output 2:

1
153

Example Explanation

Explanation 1:

1 is an armstrong number.

Explanation 2:

1 and 153 are armstrong number under 200.

Java7 (Open-Jdk-1.7.0)

```
35
36
37         break;
38     }
39
40     if(sum == originalNumber)
41     {
42         System.out.println(originalNumber);
43     }
44 }
45
46
```

Test Output

✔ Code's All Neat!

Compiling your Code...
> Success!

Running Test Cases...
> TestCase - Easy Success
> TestCase - Hard Success

Final Verdict
> Correct Answer

Test

Test With Custom Input

Submit