1. Which Month?

**Problem Description**

Write a program to input an integer(**A**) from user and print the Ath month of the year.

Months : **January, February, March, April, May, June, July, August, September, October, November, December**

\* Use short-hand if, elif and else.  
**Problem Constraints**

1 <= A <= 12

**Input Format**

One line containing an integer integer **A**.

**Output Format**

One line containing the **Ath** month of the year.

**Example Input**

Input 1:

1

Input 2:

6

**Example Output**

Output 1:

January

Output 1:

June

**Example Explanation**

Explanation 1:

Clearly, January is the 1st month.

Explanation 2:

Clearly, June is the 6th month.

1. Pac-man

**Problem Description**

In this exercise, you need to implement some rules from [Pac-Man](https://en.wikipedia.org/wiki/Pac-Man), the classic 1980s-era arcade-game.

You have to answer whether the Pac-Man loses or not.

Your are given the following integer inputs (0 / 1) one in each line:

1. Does the Pac-Man have a power pellect active?

2. Is the Pac-Man touching a ghost?

The Pac-Man loses if it is touching a ghost and **does not**have a power pellet active.

**Input Format**

There are 2 lines in the input.

The first line indicates if the Pac-Man has a power pellet active (1 for yes, 0 for no)

The second line indicates if the Pac-Man is touching a ghost (1 for yes, 0 for no)

**Output Format**

Print 1 if the Pac-Man loses else 0.

**Example Input**

Input 1:-

0  
1

Input 2:-

0  
0

**Example Output**

Output 1:-

1

Output 2:-

0

1. Days In Month

**Problem Description**

You are given an integer **A**.

You have to tell how many days are there in the month denoted by **A** in a non-leap year.

Months are denoted as follows:

* January : 1
* February : 2
* March : 3
* April : 4
* May : 5
* June : 6
* July : 7
* August : 8
* September : 9
* October : 10
* November : 11
* December : 12

**Problem Constraints**

1 <= **A** <= 12

**Input Format**

The input contains a single integer **A**.

**Output Format**

Print a single integer denoting the number of days on a single line.

**Example Input**

Input 1:

1

Input 2:

11

**Example Output**

Output 1:

31

Output 2:

30

**Example Explanation**

Explanation 1:

Number of days in January(1) in a non-leap year = 31.

Explanation 2:

Number of days in November(11) in a non-leap year = 30.

1. Max of three

**Problem Description**

Write a program to input three numbers(**A, B & C**) from user and print the maximum element among A, B & C in each line. DO NOT USE ‘max()’ function.

**Problem Constraints**

1 <= A <= 1000000

1 <= B <= 1000000

1 <= C <= 1000000

**Input Format**

First line is a single integer **A**.  
Second line is a single integer **B**.  
Third line is a single integer **C.**

**Output Format**

One line containing an integer as per the question.

**Example Input**

Input 1:

5   
6   
7

Input 2:

1000   
10000   
100000

**Example Output**

Output 1:

7

Output 2:

100000

**Example Explanation**

Explanation 1:

Clearly, among 5, 6 and 7, 7 is maximum.

Explanation 2:

Clearly, among 1000, 10000 and 100000, 100000 is maximum.

1. Min of three

**Problem Description**

Write a program to input three numbers(**A, B & C**) from user and print the minimum element among A, B & C. DO NOT USE ‘min()’ function.

**Problem Constraints**

1 <= A <= 1000000

1 <= B <= 1000000

1 <= C <= 1000000

**Input Format**

First line is a single integer **A**.  
Second line is a single integer **B**.  
Third line is a single integer **C**.

**Output Format**

One line containing an integer as per the question.

**Example Input**

Input 1:

5   
6   
7

Input 2:

1000   
10000   
100000

**Example Output**

Output 1:-

5

Output 2:-

1000

**Example Explanation**

Explanation 1:

Clearly, among 5, 6 and 7, 5 is minimum.

Explanation 2:

Clearly, among 1000, 10000 and 100000, 1000 is minimum.

1. Music Certification

**Problem Description**

A programmer for a music company is developing a program to determine the **highest level of certification** for an album.  
The program needs to follow this table of thresholds for each certification level:

|  |  |
| --- | --- |
| **Minimum albums sold** | **Certification** |
| 500000 (5\*105) | gold |
| 1000000 (106) | platinum |
| 10000000 (107 | diamond |

Given the albums sold(N) as input, print the **certification**for the album.

**Problem Constraints:**

1 <= N <= 109

**Input Format**

There is only 1 single line in the input, which is the integer denoting the no. of albums sold.

**Output Format**

Output the certification either **diamond, platinum or gold.**

If no certification, print **None.**

**Example Input**

Input 1:-

50

Input 2:-

500000

**Example Output**

Output 1:-

None

Output 2:-

gold