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### **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

#### **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		
0.1.11		
Output 1:		
June		

### **Example Explanation**

Explanation 1:			

<sup>\*</sup> Use short-hand if, elif and else.

Clearly, January is the 1st month.

# Explanation 2:

Clearly, June is the 6th month.

#### 2. Pac-man

#### **Problem Description**

In this exercise, you need to implement some rules from <u>Pac-Man</u>, 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**

nput 1:-	
nput 2:-	

#### **Example Output**

```
Output 1:-
1
Output 2:-
0
```

#### 3. 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:			
1 1			

# **Example Output**

Output 1:			
31			
Output 2:			
30			

# **Example Explanation**

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

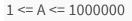
Explanation 2:
   Number of days in November(11) in a non-leap year = 30.
```

#### 4. 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**



#### **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:

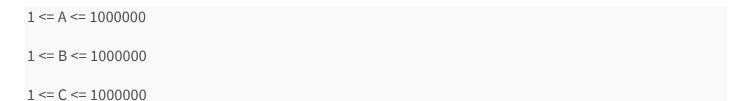
Clearly, among 1000, 10000 and 100000, 100000 is maximum.

#### 5. 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**



#### **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.

#### 6. 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:**

 $1 <= N <= 10^9$ 

#### **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			
500000			

#### **Example Output**

Output 1:-	
None	
Output 2:-	
Output 2:- gold	