

## Write a program to find Number of days in a given month of a given year

### Description

Get the number of month and year as input from the user and check the number of days present in that month.

### Input

Enter month: 2

Enter year: 2000

### Output

29

### C Program

```
#include<stdio.h>
int main()
{
    int month, year;
    printf("enter month : ");
    scanf("%d",&month);
    printf("enter year : ");
    scanf("%d",&year);
    if(((month==2) && (year%400==0)) || ((year%100!=0)&&(year%4==0)))
    {
        printf("Number of days is 29");
    }
    else if(month==2)
    {
        printf("Number of days is 28");
    }
}
```

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```
    else if(month==1 || month==3 || month==5 || month==7 || month==8 || month==10 ||  
month==12)  
    {  
        printf("Number of days is 31");  
    }  
    else  
    {  
        printf("Number of days is 30");  
    }  
    return 0;  
}
```



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### C++ Program

```
#include <iostream>

using namespace std;

int main()
{
    int month, year;

    cout<<"enter month : ";

    cin>>month;

    cout<<"enter year : ";

    cin>>year;

    if(((month==2) && (year%400==0)) || ((year%100!=0)&&(year%4==0)))
    {
        cout<<"Number of days is 29";
    }
    else if(month==2)
    {
        cout<<"Number of days is 28";
    }
    else if(month==1 || month==3 || month==5 || month==7 || month==8 || month==10 ||
month==12)
    {
        cout<<"Number of days is 31";
    }
    else
    {
        cout<<"Number of days is 30";
    }

    return 0;
}
```

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### Java

```
import java.util.Scanner;

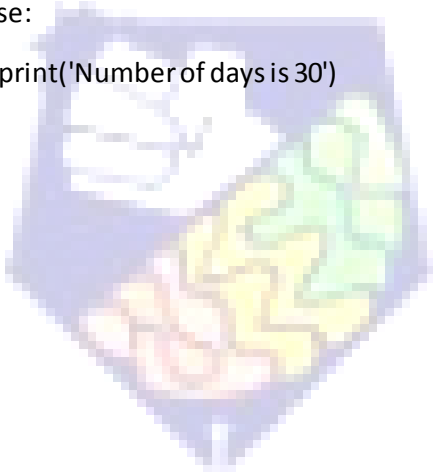
public class Main
{
    public static void main(String[] args) {
        int month, year;

        Scanner sc = new Scanner(System.in);
        System.out.println("enter the month and year: ");
        month=sc.nextInt();
        year=sc.nextInt();
        if(((month==2) && (year%400==0)) || ((year%100!=0)&&(year%4==0)))
        {
            System.out.println("Number of days is 29");
        }
        else if(month==2)
        {
            System.out.println("Number of days is 28");
        }
        else if(month==1 || month==3 || month==5 || month==7 || month==8 || month==10 ||
month==12)
        {
            System.out.println("Number of days is 31");
        }
        else
        {
            System.out.println("Number of days is 30");
        }
    }
}
```

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### Python

```
month = int(input('Enter the month: '))
year = int(input('Enter the year: '))
if(month == 2 and (year%400 == 0) or ((year%100 != 0) and (year%4 == 0))):
    print('Number of days is 29')
elif(month == 2):
    print('Number of days is 28')
elif(month == 1 or Month == 3 or Month == 5 or Month == 7 or Month == 8 or Month == 10 or Month == 12):
    print('Number of days is 31')
else:
    print('Number of days is 30')
```



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