

Experiment No. 1 (a)

Aim

Java program to print whether the year entered by the user is Leap Year or Not.

Source code

```
package java_file;

import java.util.Scanner;

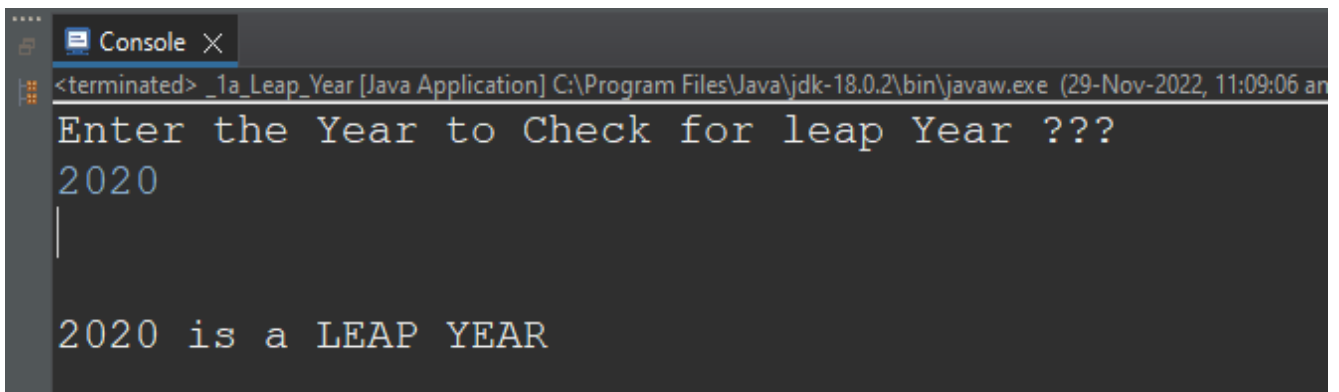
public class _1a_Leap_Year {

    public static void main(String[] args) {

        Scanner input=new Scanner(System.in);
        System.out.println("Enter the Year to Check for leap Year ???");
        int year=input.nextInt();
        if(((year%4==0)&&(year%100!=0))||(year%400==0))
        {
            System.out.println("\n\n"+year+" is a LEAP YEAR");
        }
        else
        {
            System.out.println("\n\n"+year+" is a COMMON YEAR");
        }
    }

}
```

Output

A screenshot of a Java IDE's console window. The window title is "Console" with a close button. The text in the console shows the program's execution: it prompts "Enter the Year to Check for leap Year ???", the user enters "2020", and the program outputs "2020 is a LEAP YEAR". The console background is dark with light-colored text.

```
<terminated> _1a_Leap_Year [Java Application] C:\Program Files\Java\jdk-18.0.2\bin\javaw.exe (29-Nov-2022, 11:09:06 am)
Enter the Year to Check for leap Year ???
2020
2020 is a LEAP YEAR
```