

Lab Goal : This lab will focus on decision making and if statements.

Lab Description : Write a program to determine if a year is a leap year. A leap year is any year evenly divisible by 4, 100, and 400. You will need to use mod %.

Sample Data:

1254
40
209
2131
400
4000
1500
1600

Files Needed ::

LeapYear.java
LeapYearRunner.java

Sample Output :

Enter a year :: 1254
1254 is NOT a leap year.

Enter a year :: 40
40 is NOT a leap year.

Enter a year :: 209
209 is NOT a leap year.

Enter a year :: 2131
2131 is NOT a leap year.

Enter a year :: 400
400 is a leap year.

Enter a year :: 4000
4000 is a leap year.

Enter a year :: 1500
1500 is NOT a leap year.

Enter a year :: 1600
1600 is a leap year.

//EXAMPLE IF CODE

```
int x = 90;  
int y = 0;  
  
if(x>50){  
    y=22;  
}  
if(x<=50){  
    y=44;  
}
```