

Assignment:2

Aim: Write a shell script to determine whether a given year is a leap year or not.

Algorithm:

Step 1: Start

Step 2: Obtain year from user. [Year is invalid if negative]

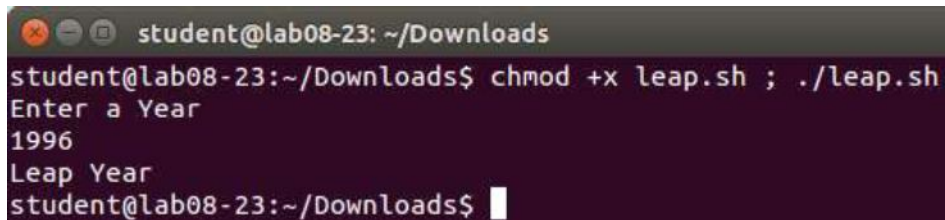
Step 3: If year is divisible by 100 goto step 3 else goto step 4.

Step 4: If the year is divisible by 400 then it is leap year.

Step 5: If the year is divisible by 4 then it is leap year.

Step 6: Stop

Sample Input and Output:

A screenshot of a terminal window with a dark background. The title bar shows 'student@lab08-23: ~/Downloads'. The terminal text is as follows:

```
student@lab08-23:~/Downloads$ chmod +x leap.sh ; ./leap.sh
Enter a Year
1996
Leap Year
student@lab08-23:~/Downloads$
```

Test your program with the following set of values { 2012, 2400, 1996, -2017, 2019 }