**PRACTICAL:18**

**AIM:** **Create a class to find out whether the given year is leap year or not. (Use inheritance for this program)**.

**PROGRAM:**

import java.util.Scanner;

abstract class LeapYear

{

abstract void check(int year);

}

class Calculate extends LeapYear

{

int temp = 0;

int year;

public void check(int year)

{

if(year%4==0)

{

if(year%100==0)

{

if(year%400==0)

{

temp=1;

}

else

{

temp=0;

}

}

else

{

temp=1;

}

}

else

{

temp=0;

}

if(temp==0)

{

System.out.println(year+" is not a leap year");

}

else

{

System.out.println(year+" is a leap year");

}

}

}

class P18\_7059

{

public static void main(String args[])

{

Scanner sc= new Scanner(System.in);

Calculate c1=new Calculate();

int myyear;

System.out.println("Enter the year");

myyear=sc.nextInt();

c1.check(myyear);

}

}

**OUTPUT:**

