/\* Lab Number: 2

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import java.util.Scanner;

public class NewJavaCalender {

public static void main (String[] args) {

Scanner yr = new Scanner(System.in);

System.out.print("Please enter the year : ");

int year = yr.nextInt();

int month = 1;

String monthString = "";

int days = 0;

JulianDate JD = new JulianDate();

int date = JD.toJulian(year,1,1);

int dayOfWeek = (date+1)%7;

while (month <= 12) {

//To show what month is which

switch(month){

case 1: monthString = "Jaunary";

days = 31;

break;

case 2: monthString = "Febuary";

if (isLeapYear(year)){

days = 29;

}

else {

days = 28;

}

break;

case 3: monthString = "March";

days = 31;

break;

case 4: monthString = "April";

days =30;

break;

case 5: monthString = "May";

days = 31;

break;

case 6: monthString = "June";

days = 30;

break;

case 7: monthString = "July";

days = 31;

break;

case 8: monthString = "August";

days = 31;

break;

case 9: monthString = "September";

days = 30;

break;

case 10: monthString = "October";

days = 31;

break;

case 11: monthString = "November";

days = 30;

break;

case 12: monthString = "December";

days = 31;

break;

}

//To print out the format of the calendar

System.out.println();

System.out.printf("%" + (11 +monthString.length()/2)+"s\n",monthString);

System.out.println();

System.out.println(" S M Tu W Th F S");

if (dayOfWeek > 0){

System.out.printf("%" + (dayOfWeek \* 3) + "c",' ');

}

for(int d =1; d <= days;++d) {

System.out.printf("%3d",d);

dayOfWeek++;

if(dayOfWeek == 7) {

dayOfWeek = 0;

System.out.println();

}

}

System.out.println();

month++;

}

}

//To calculate Leap Year for the month of February

public static boolean isLeapYear(int year) {

if (year % 400 == 0 || (year % 4 == 0 && (year % 100 != 0)))

{

return true;

}

return false;

}

}