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import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

String monthName;

int year;

int numberOfDays;

System.out.println("Enter the name of the month: ");

monthName = sc.nextLine();

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

year = Integer.parseInt(sc.nextLine());

numberOfDays = year > 0 ? MatchDays(monthName, year) : -1;

if (numberOfDays != -1) {

System.out.printf("[%s] has [%d] days for the year [%d]", monthName, numberOfDays, year);

}

else {

System.out.printf("month (%s) or year (%d) is invalid", monthName, year);

}

}

public static boolean IsLeapYear(int year) {

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

}

public static int MatchDays(String monthName, int year) {

int numberOfDays = -1;

switch (monthName.toLowerCase()) {

case "january":

case "march":

case "may":

case "july":

case "august":

case "october":

case "december":

numberOfDays = 31;

break;

case "april":

case "june":

case "september":

case "november":

numberOfDays = 30;

break;

case "february":

if (IsLeapYear(year)) numberOfDays = 29;

else numberOfDays = 28;

break;

default:

break;

}

return numberOfDays;

}

}