

SECTION (64%)

Sandbox

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1  '''
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3  Grupo:GIR0541
4  Fecha:11 de octubre del 2023
5  lab_4.3.1.7
6  '''
7  def isYearLeap(year):
8      if (year % 4) != 0:
9          return False
10     elif (year % 100) != 0:
11         return True
12     elif (year % 400) != 0:
13         return False
14     else:
15         return True
16
17 def daysInMonth(year, month):
18     months = [31,28,31,30,31,30,31,31,30,31,30,31]
19
20     if isYearLeap(year)==True and month==2:
21         return 29
22     else:
23         return months[month-1]
24
25 testYears = [1900, 2000, 2016, 1987]
26 testMonths = [2, 2, 1, 11]
27 testResults = [28, 29, 31, 30]
28 for i in range(len(testYears)):
29     yr = testYears[i]
30     mo = testMonths[i]
31     print(yr, mo, "->", end="")
32     result = daysInMonth(yr, mo)
33     if result == testResults[i]:
34         print("OK")
35     else:
36         print("Error")

```

Console >_

```

1900 2 ->OK
2000 2 ->OK
2016 1 ->OK
1987 11 ->OK

```