

$[days_in] \text{ month1} - days2$
 $while \text{ month1} + 1 \leq 12$

$while \text{ year2} - \text{year1}$

```

17     monthCounter += 1
18
19
20
21     if year2 - year1 >= 1: # one year difference
22         while month1 + 1 <= 12: # calculating months in first
23             if checkLeapYear(year1):
24                 daysCount += monthsLeapYear[month1]
25             else:
26                 daysCount += monthsCommonYear[month1]
27             month1 += 1
28
29     while month2 - 1 >= 1: # calc'g months in last year
30         if checkLeapYear(year2):
31             daysCount += monthsLeapYear[month2 - 2]
32         else:
33             daysCount += monthsCommonYear[month2 - 2]
34         month2 -= 1
35
36
37     if year2 - year1 > 2: # more than 1 year difference
38         while year1 + 1 < year2:
39             if checkLeapYear(year1):
40                 daysCount += 366
41             else:
42                 daysCount += 365
43             year1 += 1
44
45     print daysCount
46     return daysCount
47
48 def checkLeapYear(year):
49     if (year % 4 != 0):
50         return False
51     elif (year % 100 != 0):
52         return True
53     elif (year % 400):
54         return
55

```