NAME= AKSHAT SINGH
SECTION= K22HN
ROLL NO = 49
SUBMITTED TO= DR.NAVNEET MALIK SIR
(PROJECT 16)

```python
class Date:
    def __init__(self, date, month, year):
        self.d = date
        self.m = month
        self.y = year

"""To store number of days in
all months from January to Dec."""
monthDays = [31, 28, 31, 30, 31, 30,
         31, 31, 30, 31, 30, 31]

"""This function counts number of
leap years before the given date."""

def countLeapYears(d):

    years = d.y

    """Check if the current year needs
      to be considered for the count
      of leap years or not."""
    if (d.m <= 2):
        years -= 1

    """An year is a leap year if it is a
      multiple of 4, multiple of 400 and
      not a multiple of 100."""
    ans = int(years / 4)
    ans -= int(years / 100)
    ans += int(years / 400)
    return ans

"""This function returns number of
  days between two given dates"""

def getDifference(dt1, dt2):

    #COUNT TOTAL NUMBER OF DAYS
    #BEFORE FIRST DATE 'dt1'

    #initialize count using years and day
    n1 = dt1.y * 365 + dt1.d

    #Add days for months in given date
    for i in range(0, dt1.m - 1):
        n1 += monthDays[i]
```

```python
    #Since every leap year is of 366 days,
    #Add a day for every leap year
    n1 += countLeapYears(dt1)

    #SIMILARLY, COUNT TOTAL NUMBER
    #OF DAYS BEFORE 'dt2'
    n2 = dt2.y * 365 + dt2.d
    for i in range(0, dt2.m - 1):
        n2 += monthDays[i]
    n2 += countLeapYears(dt2)

    """return difference between
     two counts"""
    return (n2 - n1)


#Driver Code
dob=input("Enter your DOB as DD/MM/YYYYY : ")
dob=[int(i) for i in dob.split("/")]
dob=Date(dob[0],dob[1],dob[2])
PresentDay=input("Enter Present Day as DD/MM/YYYYY : ")
PresentDay=[int(i) for i in PresentDay.split("/")]
PresentDay=Date(PresentDay[0],PresentDay[1],PresentDay[2])

#Function call
print("\nThe number of days the person is
alive:",getDifference(dob,PresentDay))
```

#OUTCOMES

1.)

Enter your DOB as DD/MM/YYYYY : 25/03/2004

Enter Present Day as DD/MM/YYYYY : 29/11/2022

The number of days the person is alive: 6823

2.)

Enter your DOB as DD/MM/YYYYY : 29/10/2022

Enter Present Day as DD/MM/YYYYY : 29/11/2022

The number of days the person is alive: 31

3.)

Enter your DOB as DD/MM/YYYYY : 2/02/2000

Enter Present Day as DD/MM/YYYYY : 29/11/2022

The number of days the person is alive: 8336