

SUBJECT:
INT108-PYTHON
PROGRAMMING

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SECTION: K22PK

REGISTRATION NO.:12201801

ROLL NO.:69

Task: To create a functionality in which when user will input a range of two dates and print all years in the range of given dates those are leap years separately and rest of the years those are non-leap separately.

Code for the Task:

```
import calendar
def information():
    """*****Python Mini Project*****
```

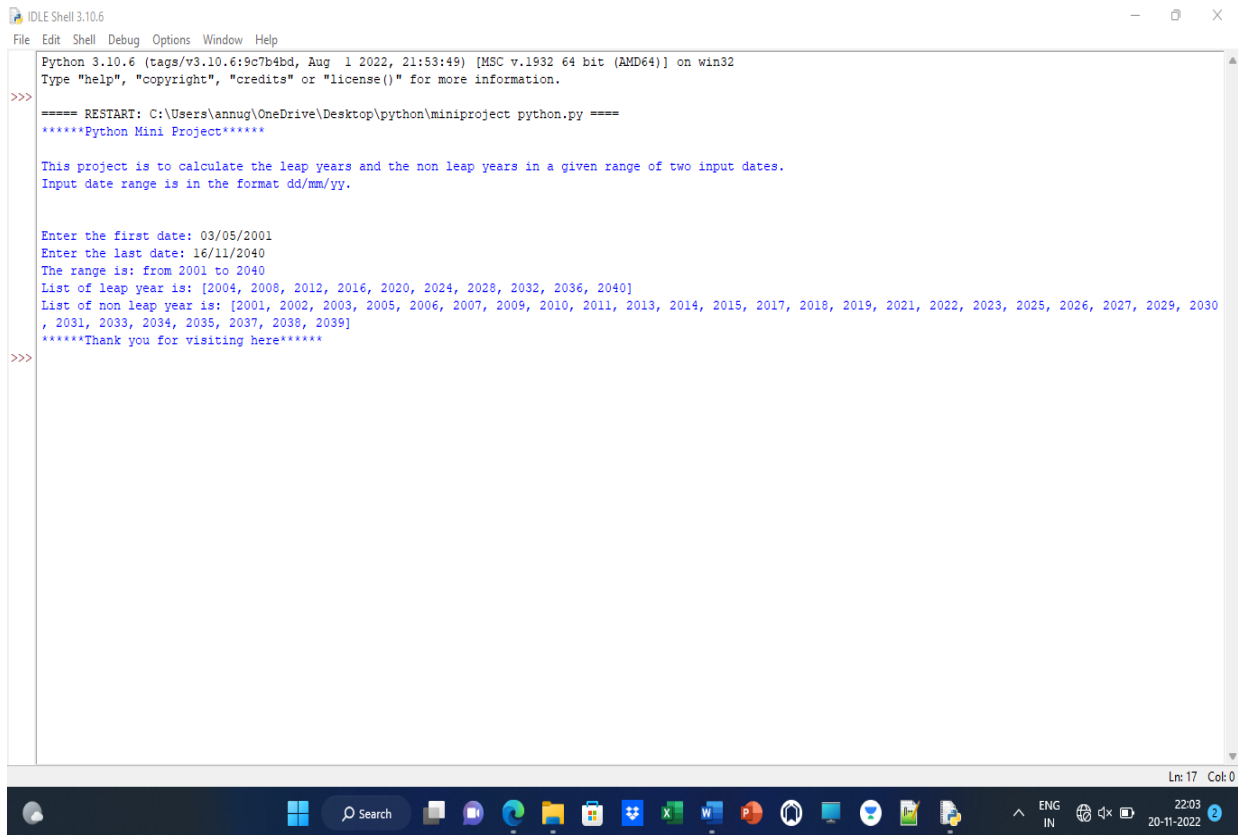
This project is to calculate the leap years and the non leap years in a given range of two input dates.

Input date range is in the format dd/mm/yy.

```
"""
print(information.__doc__)

first_date=input("Enter the first date: ")
first_date1=first_date.split("/")
start=int(first_date1[2])
last_date=input("Enter the last date: ")
last_date1=last_date.split("/")
end=int(last_date1[2])
print("The range is: from",start,"to",end) leap=[]
nonleap=[]
for i in range(start,end+1):
    if (calendar.isleap(i)==False):
        nonleap.append(i)
    else:
        leap.append(i)
print("List of leap year is:",leap)
print("List of non leap year is:",nonleap)
print("*****Thank you for visiting here*****")
```

Output of the code:



```
IDLE Shell 3.10.6
File Edit Shell Debug Options Window Help
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\annug\OneDrive\Desktop\python\miniproject python.py =====
*****Python Mini Project*****

This project is to calculate the leap years and the non leap years in a given range of two input dates.
Input date range is in the format dd/mm/yy.

Enter the first date: 03/05/2001
Enter the last date: 16/11/2040
The range is: from 2001 to 2040
List of leap year is: [2004, 2008, 2012, 2016, 2020, 2024, 2028, 2032, 2036, 2040]
List of non leap year is: [2001, 2002, 2003, 2005, 2006, 2007, 2009, 2010, 2011, 2013, 2014, 2015, 2017, 2018, 2019, 2021, 2022, 2023, 2025, 2026, 2027, 2029, 2030, 2031, 2033, 2034, 2035, 2037, 2038, 2039]
*****Thank you for visiting here*****
>>>
```