

# A Python Report

Project Title:-

Your task to create a functionality in which when user will input a range of two dates. Then your module will find 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

## BACHELOR OF TECHNOLOGY

Computer science and Engineering

Submitted to

**Ms. Radhika Nambiar**

**LOVELY PROFESSIONAL UNIVERSITY**

**PHAGWARA , PUNJAB**



**L** OVELY  
**P** ROFESSIONAL  
**U** NIVERSITY

## **ACKNOWLEDGEMENT**

I would like to thank my teacher Ms. Radhika Nambiar with outmost respect from the depths of my heart for guiding me through this project and giving me various suggestions and knowledge of Python and this project had been possible only because of her spectacular teaching skills and I would also like to thank my friends for their wonderful feedbacks about this project.

## DESIGN AND SOURCE CODE :-

pythonproject.py - C:/Users/trilo/AppData/Local/Programs/Python/Python310/pythonproject.py (3.10.7)

File Edit Format Run Options Window Help

```
start = input("Enter the start date(dd/mm/yyyy): ")
end = input("Enter the end date(dd/mm/yyyy): ")
```

```
start_year = int(start.split("/")[2])
end_year = int(end.split("/")[2])
```

```
leap = []
nonleap = []
```

```
for year in range(start_year, end_year+1):
    if year%4==0:
        leap.append(str(year))
    else:
        nonleap.append(str(year))
```

```
print("Leap years are:\n", " ".join(leap))
print("Non Leap years are:\n", " ".join(nonleap))
```

## SOURCE CODE :-

```
Start = input("Enter the start date(dd/mm/yyyy): ")  
end   = input("Enter the end date(dd/mm/yyyy): ")
```

```
start_year = int(start.split("/")[2])  
end_year   = int(end.split("/")[2])
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leap = []  
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for year in range(start_year, end_year+1):  
    if year%4==0:  
        leap.append(str(year))  
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        nonleap.append(str(year))
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```
print("Leap years are:\n", " ".join(leap))  
print("Non Leap years are:\n", " ".join(nonleap))
```

## RESULT PAGE :-



```
IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/trilo/AppData/Local/Programs/Python/Python310/pythonproject.py =====
Enter the start date(dd/mm/yyyy): 12/01/2000
Enter the end date(dd/mm/yyyy): 12/12/2022
Leap years are:
2000 2004 2008 2012 2016 2020
Non Leap years are:
2001 2002 2003 2005 2006 2007 2009 2010 2011 2013 2014 2015 2017 2018 2019 2021 2022
>>> |
```

# **CONCLUSION**

We hope this document will help you understand about our project and thank you for your time and consideration