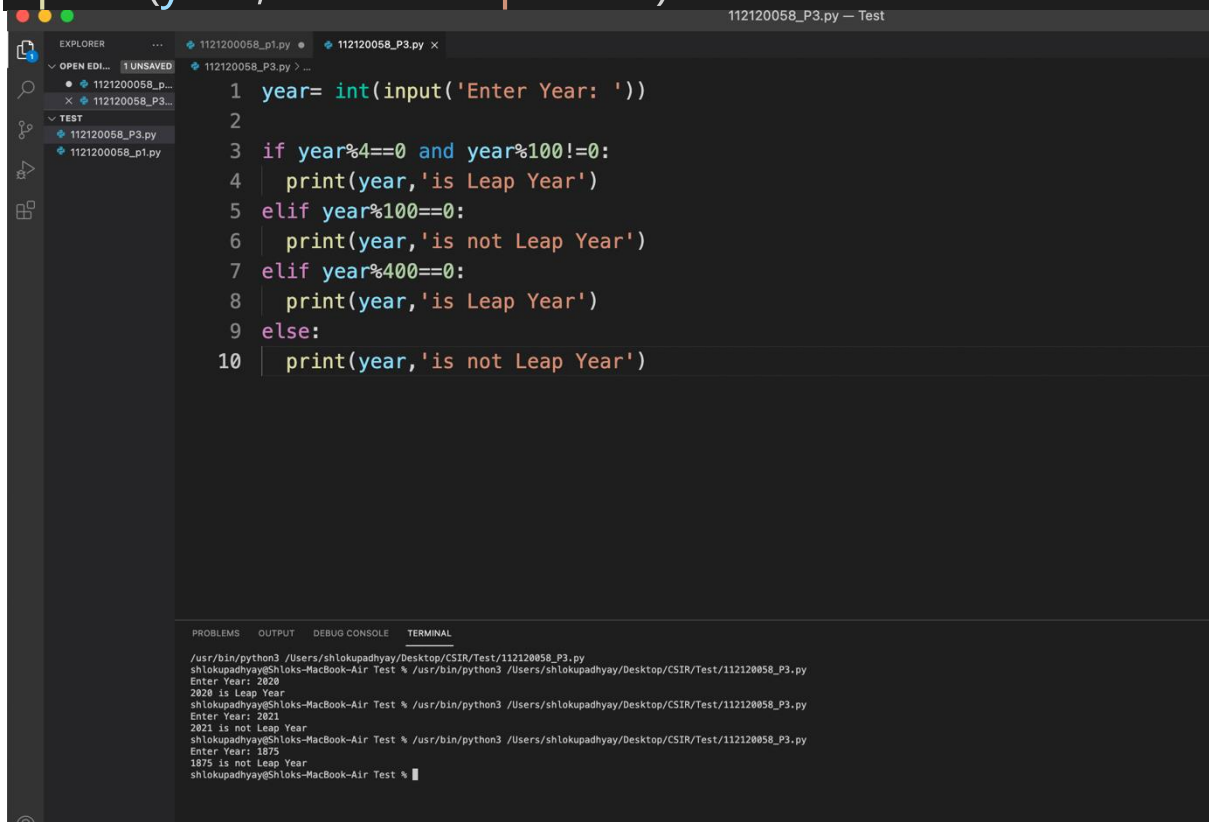


3.

```
year= int(input('Enter Year: '))

if year%4==0 and year%100!=0:
    print(year,'is Leap Year')
elif year%100==0:
    print(year,'is not Leap Year')
elif year%400==0:
    print(year,'is Leap Year')
else:
    print(year,'is not Leap Year')
```



The screenshot shows a Visual Studio Code editor window with a Python file named `112120058_P3.py`. The code is a Python script that takes a year as input and determines if it is a leap year based on the following logic: if the year is divisible by 4 and not by 100, it is a leap year; if it is divisible by 100 and not by 400, it is not a leap year; if it is divisible by 400, it is a leap year; otherwise, it is not a leap year. The script is executed in a terminal window, and the output shows the results for the years 2020, 2021, and 1875.

```
1 year= int(input('Enter Year: '))
2
3 if year%4==0 and year%100!=0:
4     print(year,'is Leap Year')
5 elif year%100==0:
6     print(year,'is not Leap Year')
7 elif year%400==0:
8     print(year,'is Leap Year')
9 else:
10    print(year,'is not Leap Year')
```

Terminal Output:

```
/usr/bin/python3 /Users/shlokupadhyay/Desktop/CSIR/Test/112120058_P3.py
shlokupadhyay@Shloks-MacBook-Air Test % /usr/bin/python3 /Users/shlokupadhyay/Desktop/CSIR/Test/112120058_P3.py
Enter Year: 2020
2020 is Leap Year
shlokupadhyay@Shloks-MacBook-Air Test % /usr/bin/python3 /Users/shlokupadhyay/Desktop/CSIR/Test/112120058_P3.py
Enter Year: 2021
2021 is not Leap Year
shlokupadhyay@Shloks-MacBook-Air Test % /usr/bin/python3 /Users/shlokupadhyay/Desktop/CSIR/Test/112120058_P3.py
Enter Year: 1875
1875 is not Leap Year
shlokupadhyay@Shloks-MacBook-Air Test %
```