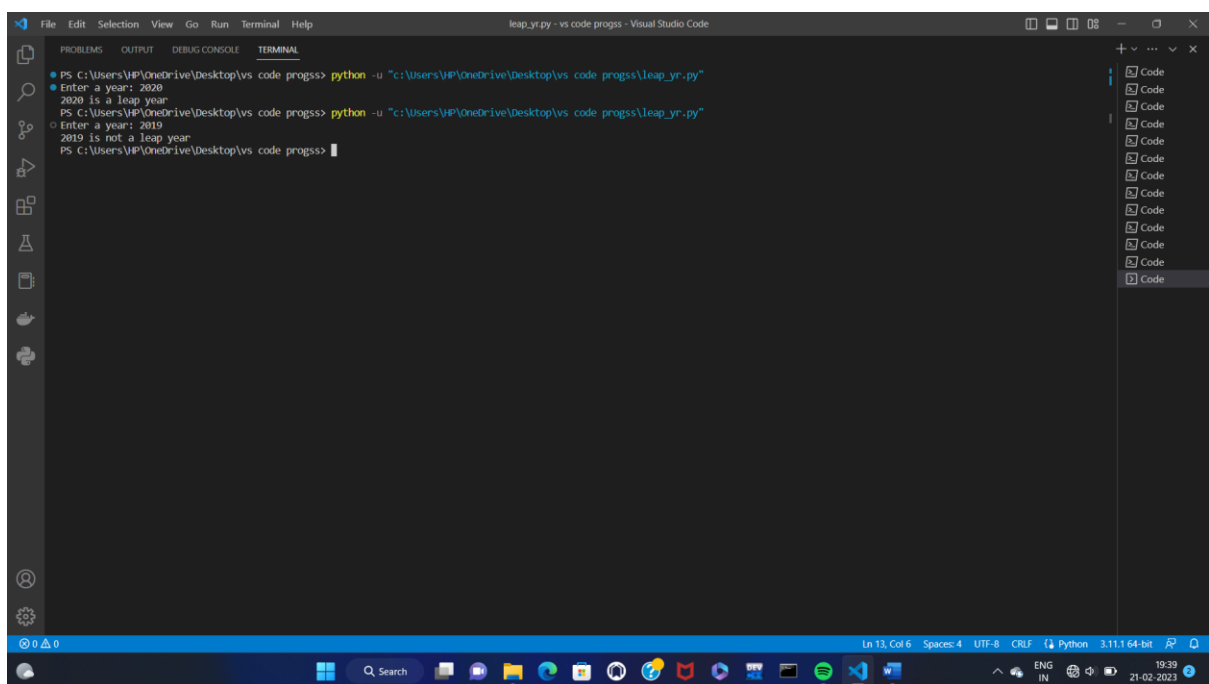


```
# Python program to check if year is a leap
year or not
year = int(input("Enter a year: "))
# divided by 100 means century year (ending with 00)
# century year divided by 400 is leap year
if (year % 400 == 0) and (year % 100 == 0):
    print("{0} is a leap year".format(year))
# not divided by 100 means not a century year
# year divided by 4 is a leap year
elif (year % 4 == 0) and (year % 100 != 0):
    print("{0} is a leap year".format(year))
# if not divided by both 400 (century year) and 4 (not
century year)
# year is not leap year
else:
    print("{0} is not a leap year".format(year))
```



The screenshot shows the Visual Studio Code interface with a terminal window open. The terminal displays the execution of a Python script named 'leap_yr.py'. The user enters '2020' and '2019' as test cases. The output shows that 2020 is a leap year and 2019 is not a leap year. The interface includes a sidebar with icons for Explorer, Search, Run and Debug, and Extensions. The bottom status bar shows the current file is 'leap_yr.py', the editor is at line 13, column 6, and the Python version is 3.11.1 64-bit.

```
leap_yr.py - vs code progss - Visual Studio Code
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
PS C:\Users\HP\OneDrive\Desktop\vs code progss> python -u "c:\Users\HP\OneDrive\Desktop\vs code progss\leap_yr.py"
Enter a year: 2020
2020 is a leap year
PS C:\Users\HP\OneDrive\Desktop\vs code progss> python -u "c:\Users\HP\OneDrive\Desktop\vs code progss\leap_yr.py"
Enter a year: 2019
2019 is not a leap year
PS C:\Users\HP\OneDrive\Desktop\vs code progss>
Ln 13, Col 6 Spaces: 4 UTF-8 CRLF Python 3.11.1 64-bit
19:39
21-02-2023
```