Program 1

Aim: Display future leap years from current year to a final year entered by user.

Algorithm:

- Step 1- Take an integer variable for current year and future year
- Step 2- Assign values to the variable
- Step 3- Check whether a year is divisible by 4 but not with 100 and print leap year.
- Step 4- Check if a year is divisible by 400
- Step 5- Print leap years

Source Code:

```
year=int(input("Enter the current year\t"))
fut=int(input("Enter the future year\t"))
print("The leap years in range are\n")
for year in range(year,fut+1):
  if year%4==0 and year%100!=0 or year%400==0:
    print(year)
```

10/11/2022

Output

```
File Edit Shell Debug Options Window Help

Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32 ^ Type "help", "copyright", "credits" or "license()" for more information.

>>>>

Enter the current year 2022
Enter the future year 2040
The leap years in range are

2024
2028
2032
2036
2040
>>>> |
```