

Challenge 2 Q

Write a program that determines whether a year entered by the user is a leap year or not using ifelif-else statements.

```
year = int(input("Enter a year: "))

# Check if it's a leap year
if year % 4 == 0:
    if year % 100 == 0:
        if year % 400 == 0:
            print(f"{year} is a leap year.")
        else:
            print(f"{year} is not a leap year.")
    else:
        print(f"{year} is a leap year.")
else:
    print(f"{year} is not a leap year.")
```

Output :

Certainly, here's the expected output of the program when you run it and provide a year as input:

...

Enter a year: 2024

2024 is a leap year.

...

This output indicates that the year 2024 is a leap year.