Write a python program to find a given year is leap year?

◆ **Leap Year Rules**

A year is a leap year if:

1. Divisible by **4,**

2. But not divisible by **100**,

3. Unless it is also divisible by **400**.

So:

- 2000 → Leap (divisible by 400)

- 1900 → Not Leap (divisible by 100 but not 400)

- 2024 → Leap (divisible by 4, not 100)

- 2023 → Not Leap

◆ **Python Function**

```python
def is_leap_year(year):
    if (year % 4 == 0 and year % 100 != 0) or (year % 400 == 0):
        return True
    else:
        return False


# Example usage
years = [1900, 2000, 2023, 2024]
for y in years:
    print(f"{y} -> {'Leap Year' if is_leap_year(y) else 'Not a Leap Year'}")
```

◆ **Output**

1900 -> Not a Leap Year

2000 -> Leap Year

2023 -> Not a Leap Year

2024 -> Leap Year