

challenge1.2

```
year = 2023
```

```
# To get year (integer input) from the user
```

```
# 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))
```