1. Most years have 365 days. However, the time required for the Earth to orbit the Sun is actually slightly more than that. As a result, an extra day, February 29, is included in some years to correct for this difference. Such years are referred to as leap years.

The rules for determining whether or not a year is a leap year follow:

- Any year that is divisible by 400 is a leap year.
- Of the remaining years, any year that is divisible by 100 is not a leap year.
- Of the remaining years, any year that is divisible by 4 is a leap year.
- All other years are not leap years.

Write a functions called `leapyear()` that receives one input – an integer of year from the user and returns `True` or `False` whether or not it is a leap year.

Example:

1-

```
leapyear(2400)  # returns True
```

2-

```
leapyear(2024)  # returns True
```

3-

```
leapyear(2025)  # returns False
```

Write your submitted code in Notepad and save the file as .txt. For each exercise separately.

The file name should be: "Lesson2_Exercise1_[your ID].txt" – for example: "Lesson3_Exercise1_039115585.txt"