

# Lesson 5 Wrap-up

Write a function called **valid\_date** that takes three positive integer scalar inputs **year**, **month**, **day**. If these three represent a valid date, return a logical **true**, otherwise **false**. The name of the output argument is **valid**. If any of the inputs is not a positive integer scalar, return **false** as well. Note that every year that is exactly divisible by 4 is a leap year, except for years that are exactly divisible by 100. However, years that are exactly divisible by 400 are also leap years. For example, the year 1900 was not leap year, but the year 2000 was. Note that your solution must not contain any of the date related built-in MATLAB functions.

## Your Function

 Save

 Reset

 MATLAB Documentation (<https://www.mathworks.com/help/>)

1

## Code to call your function

 Reset

1

2

3

```
valid = valid_date(2018,4,1)
valid = valid_date(2018,4,31)
```

 Run Function



## Assessment:

Submit

Various inputs
Non-scalar
The last day of every month
Random leap years
Random non-leap years
Random dates