# Pseudocode - Dates & Times

import LocalDate library

import DateTimeFormatter library

import ChronoUnit library

import java Util library

create class Main

create main method

use DateTimeFormatter to set the date pattern to M/d/yyyy

create LocalDate variable called today and assign it to todays date

create LocalDate variable called last and assign it to the last day of the year

display to the user that todays date is equal to variable today

create an array of LocalDates of the full moon dates of 2018 in chronological order called fullMoonDates

reverse the order of the array

for loop day in fullMoonDates

if day is earlier than today

display to user that the previous full moon was on day

break out of loop

reverse back the order of the array

for loop day in fullMoonDates

if today is earlier than today or the same as day

if today is the same as day

display to user that today is a full moon

break out of loop

else

calculate the difference between today and day in days

display to the user the next full moon is on day

display to the user the number of days to go till the next full moon

break out of loop

if today is after last

display to the user that there are no more full moons in 2018