Dates, Times and Timing Worksheet

Experiment with the date function
        What is today's date, spelled out completely?
        What is the offset of our our local time from Greenwich Mean Time?
        How could you get just the current year?

Experiment with the time function

        What is the difference between the time and the long time?

MonthNames and weekdayNames functions

        What is the full name of the 4th day of the week?
        What is the abbreviation for the 6th day of the week?

Date checking:
        Is this a valid date? 03-12-19

What is the current time in seconds? In milliseconds?

`Send in time` exercises

Implement a clock or timer using a repeat loop.

```
on mouseUp
  put the seconds into tStartSeconds
  repeat with x = tStartSeconds to tStartSeconds + 10
    put x into field "timer"
    wait 500 milliseconds
  end repeat
end mouseUp
```

What are the advantages of doing it this way?

What are the drawbacks?

What's a better way?

Times, dates and delayed timing activity

Use what we have learned about dates and times. Using whatever controls you need, demonstrate how to answer the following programming problems in LiveCode. In other words, create scripted objects that produce the answer to the question in a field:

1 - How many days ago was the last Christmas? No cheating! You can't "hard code" the date of last Christmas. You must figure it out based on the current date.

2 - How old are you in milliseconds? In seconds? In days? In years?

3 - What day of the week is today?

4 - What day of the week will it be in 45 days from now?

5 - Given a list of dates sort them into date order.
    See 'sort container' in the LC Dictionary.

6 - Assume you're going to live to 100. What will be the long date on your 100th birthday?

Delayed timing using the 'send in time' command.

Implement a simple digital clock using the examples seen in class.