

## LAB S01 – PhrasePoem

In this lab, you will begin to work with Strings by creating a sentence with a prepositional phrase and generating a random Faux-ku (similar to a Haiku).

The starter code includes four classes (check Canvas).

The `Driver` class is a complete client class that utilizes the `PhraseMaker` and `FauxkuMaker` classes. The `Word` class is also complete and defines a word as a string and a number of syllables; it will be used by the `FauxkuMaker` class (not the `PhraseMaker` class).

You will complete `PhraseMaker` class so that it will construct an understandable sentence consisting of a random noun, a random verb, and a random prepositional phrase selected from arrays that hold words and phrases of your choosing. A prepositional phrase often describes a place, such as: under the bridge, behind the barn, beneath the golden dome, at the horse race, etc.

You will also complete the `FauxkuMaker` class, which constructs a Faux-ku based on selecting words randomly from a list of your creation. Your program should make sure that the syllables for each line of your poem make it a Faux-ku.

You have two options for creating your poem. You may either predetermine the layout of each line (easier option) or you may randomly select any word from your list and then make sure it fits into that line (more difficult option).

### Criteria

- 1) No pre and post conditions are required for this lab.

### Submission Options

- 1) Submit your code for this lab on a Googly Doc through Canvas by 11:59 pm on Sunday, January 12.
- 2) Show your program to Holm before the end of class on Thursday, January 9.