

# MM 319 Exercise Three

## Purpose

This exercise will give you a chance to see how well you understand chunk expressions and manipulating text properties. Solve these problems *without* launching Director. If you have difficulty, review your notes from the last couple of lab sessions.

## Part One: Chunk Expressions

Imagine that a variable named `x` contains the following text (“#” will denote the locations of carriage returns):

```
Jack and Jill went up  
the hill#  
to fetch a pail of water#  
Jack fell down#  
And broke his crown#  
And Jill came tumbling  
after#
```

- 1) How many of each of the following chunks is in the text?  
A) lines      B) words      C) chars      D) paragraphs      E) items
- 2) Identify the text each of these chunk expressions yields.  
A) `x.line[ 2 ].word[1]`  
B) `x.word [13]`  
C) `x.char [7]`  
D) `x.line [ 3 ].word [ 3 ].char [ 3]`  
E) `x.item [2]`
- 3) Show two distinct chunk expressions that would yield each of these chunks of text.  
A) “a pail”  
B) “Jack fell down”  
C) “broke”
- 4) Suppose we execute this instruction: **the itemDelimiter = “J”**  
List the item chunks for this text.
- 5) Can we modify this text with the following instruction?  
**`x.line[2] = “to skip class”`**  
If not, is there any way to change the second line?
- 6) Suppose this text is in a text member named “Rhyme.” Show the instructions needed to make the following changes.  
A) Replace the first “Jill” with “Bill”  
B) Change the third line to “Jack went on strike”
- 7) Refer to question six. Write the instruction or structure needed to replace all occurrences of the letter **l** with the letter **n**.

## Part Two: Text Properties

- 1) Can we change the `fontSize` of the text in a variable?

- 2) The preceding question refers to the property **fontSize**. Name three other properties applicable to text.
- 3) Assume, as you did for question six in Part One, that the text shown on page one is in a text member named "Rhyme." Write the instructions to make the following changes.
  - A) Make **Arial** the typeface for the entire text.
  - B) Make the word "pail" appear in size 48 points.
  - C) Make the word "tumbling" appear in italics.
  - D) Make the word "tumbling" appear in bold italics.
- 4) Write the structure or instruction to change the typeface for every occurrence of the letter **n** to Courier.