

## Problem Set 07 - Ruby

### Part III

Write the following Ruby programs in separate files such that the name of each file is in the format

`main7n.rb`

where *n* is the number of the program in the list below. You cannot use blocks.

#### Programs:

1. Write a program that displays the elements of an array in a line separated by a space all enclosed in curly braces.
2. Write a program that prompts the user to enter a word. Then, it assigns a copy of the input such that letters alternate between uppercase and lowercase to another variable if the input only consists of letters; otherwise, it assigns the string "not a word" to the variable. Finally, it displays the input and the variable on separate lines.
3. Write a program that continually prompts the user to enter an integer between 1 and 20, inclusively, until a selected value is entered. Afterward, it displays all the values entered.
4. Write a program that creates a legend that associates each letter with a word that starts with the letter. Then, it prompts the user to enter a word. Afterward, it displays the input with the letters replaced with the words they are associated with in the legend.