

1. In **Chapter 8**, do the following exercises:  
Self-Review Exercise 8.1; Exercises 8.2-8.3.

In **Chapter 16**, do the following exercises:  
Self-Review Exercises 16.1-16.2.

The above listed exercises are NOT to be handed in.

**For all programming assignments, your names MUST appear twice in your program: First**, in the comments at the top of your code; and **second**, in your output. For example, in the output you can say “Programmed by Your Full Name”. **Failure to do this will result in the loss of 2 points.**

**At the top of every program this semester you MUST place the following:**

```
// Your Full Name  
// Your Email @my.smccd.edu  
// CIS 255 HJ  
// File Name  
// Class/Program Description  
// Assignment #  
// Date
```

2. **Do Exercise 16.5 on page 712. Name your application Sentences. Add two additional nouns to the nouns array and two additional verbs to the verbs array. Use the StringBuilder class to hold the 20 sentences. Display the random sentences in a JTextArea component in a dialog box. See pages 615-617 for information about using JTextArea. You can use the JTextArea reference as an argument in the dialog box.**  
**JOptionPane.showMessageDialog(null, textArea);**  
**You must follow all programming guidelines (see handout).**
3. **Do Exercise 8.14 on pages 356-357. Name your class Date (use the Date class on pages 328-329 as your starting point) and your test program DateTest. Supply these accessor methods for the different Date formats:**  
**toString returns mm/dd/yyyy**  
**toMonthNameDateString returns MonthName dd, yyyy**  
**toDayDateString returns DDD YYYY**

**You must have instance variables for the month, day, and year. Use 1/1/2014 as the default date. Provide accessor (get) and mutator (set) methods for the instance variables. You will find it helpful to use array fields for the month names and the number of days in each month. You will need a method to calculate leap year. In the test program you must instantiate 9 objects of the Date class using ALL three Date constructors. ONE date must come from user input – use a dialog box. You must display EACH date in all three formats. Use a dialog box for output. Be sure to clearly label your output. Be sure to test your program thoroughly. You must follow all programming guidelines (see handout).**

**SUBMIT:** All files (6 total) must be compressed into a single zipped file named assign3.zip and uploaded to WebAccess. Find the week that the assignment is due and click on the upload link. Make sure that I receive ALL FILES, as I am not able to grade incomplete assignments. Submit a printout of ALL source code. All assignments are due at 5:00 PM on the due date.

In most versions of Windows you can just right-click on the folder and choose Send to -> Compressed (zip) folder.

On a Mac follow these instructions to zip your files:

<http://www.macinstruct.com/node/159>

Upload the assign3.zip file to the upload link in WebAccess by the due date/time.

<http://smccd.mrooms.net>