1. Download the Assignment Template, http://cs2.uco.edu/~trt/cs2123/AssignmentTemplate.docx, and carefully change header, the author identification block, the scoring block, and the exercises for the assignment you complete.
2. Submission.
   2.1. **E-Mail**: Send a note to me, trturner@uco.edu, with your assignment attached to the note.
   2.2. One member of the partnership submits the assignment.
   2.3. Subject:
      2.3.1. **Partnerships:** If you are a member of a partnership then the subject of your note containing your submission must have the form *CRN-author1-author2-assignment***.** For example, if the team consisting of Ms. Fiona **Faultless** and Ms. Petunia **Perfect**, enrolled in section CRN **12599**, submits answers for the exercises given in **a**ssignment **1**, the subject would be **12599-Faultless-Perfect-a01**. Please note that only the **last names** are used and names are given in **alphabetical** order. If Fiona and Petunia are enrolled in different sections, for example, Fiona is enrolled in the on-campus section and Petunia is enrolled in the corresponding IVE section, then either CRN is acceptable. However, do not put both CRNs in the subject line.
      2.3.2. **Individuals:** If you are a single student and not partnered with another student then the subject of your note containing your submission must have the form *CRN-last name-first name-assignment***.** For example, if your name is Alan Turing, and you are enrolled in section CRN **12599**, and you are submitting solutions for the exercises given **a**ssignment **1**, the subject of your note would be **12599-Turing-Alan-a01.**
   2.4. **Microsoft Word © 2013**: The completed exercise must be typed on a Microsoft Word © version 2013 or later document.
   2.5. **File Name**:
      2.5.1. **Partnerships:** If you are a member of a partnership then the name of the document must have the form *CRN-author1-author2-assignment***.docx**. For example, if the team consisting of Ms. Fiona **Faultless** and Ms. Petunia **Perfect,** enrolled in section CRN **12599**, submits an answer for **a**ssignment **1**, the file name of their document would be **12599-Faultless-Perfect-a01.docx**. The team must attach their document to the note sent to your instructor. Please note that only the **last names** are used and names are given in **alphabetical** order. If Fiona and Petunia are enrolled in different sections, for example, Fiona is enrolled in the on-campus section and Petunia is enrolled in the corresponding IVE section, then either CRN is acceptable. However, do not put both CRNs in the file name.
      2.5.2. **Individuals:** If a student is unable to find a partner then the file name must have the form *CRN-lastname-firstname-assignment*.docx. Please be aware that there can be only one student that can submit an assignment without a partner in the event that there are an odd number of students enrolled in the course.

2.6. **Team Identification Block**:

2.6.1. **Partnerships:** Both authors must be identified in a team identification block that appears on the first page of the document submitted as shown in the example below.

Team Identification Block	
Author 1:	Ms. Fiona Faultless
Student ID:	*00000001
E-Mail:	ffaultless@uco.edu
CRN:	11128, Autumn, 2019
Author 2:	Ms. Petunia Perfect
Student ID:	*00000000
E-Mail:	pperfect@uco.edu
CRN:	12243, Autumn, 2012
Course:	CMSC 2123 – Discrete Structures
Assignment:	a01
Due:	January 11, 2012

2.6.2. **Individuals:** If you do not have a partner, then use the author identification block shown in the example below. Your author identification block must appear on the first page of your submission.

Author Identification Block	
Author:	Mr. Alan Turing
Student ID:	*00000001
E-Mail:	aturing@uco.edu
Course:	CMSC 2123 – Discrete Structures
CRN:	12599, Autumn, 2012
Assignment:	a01
Due:	January 11, 2012

2.7. **Scoring Block**: A single scoring block that serves for all members of the team must appear immediately after the Team Identification Block. An example of a scoring block is shown below.

2.7.1. **Exercise numbers.** Enter the actual exercise number in the scoring block in the column labeled **Exercise.** For example, if the assignment specified exercises 2, 4, 6, and 8, enter those numbers in the Exercise column as shown.

2.7.2. **Maximum.** In the column labeled **Maximum** enter a 1 for each of the four exercises assigned.

2.7.3. **Earned.** In the column labeled **Earned** enter a 1 for each of the four exercises assigned.

2.7.4. **Total.** Enter a **4** in the bottom cell of the columns labeled **Maximum** and **Earned**.

Scoring block			
Exercise	**Maximum**	**Earned**	**Explanation**
2	1	1	
4	1	1	
6	1	1	
8	1	1	
Total	**4**	**4**	

2.8. **Exercise and Solution**: Both the original exercise and a solution must appear in the submission.

2.8.1. You are required to employ **Microsoft Word © version 2015** or later to complete exercises.

2.8.2. You are required to copy the exercise exactly as it appears in the text.

2.8.3. You are required to employ the ***Microsoft Equation Editor*** to format any mathematical expressions that appear in the exercise.

2.8.4. You are required to submit a solution directly after the exercise. An ***answer*** to the exercise is ***not satisfactory***. The difference between an answer and a solution is that a solution contains an ***explanation*** of how the answer was derived.

2.8.5. You are required to employ the ***Microsoft Equation Editor*** to format any mathematical expressions that appear in the solution.

2.8.6. **Red** is my color. You are prohibited from using **red** and encouraged to use **black**.

1. Which of these sentences are propositions? What are the truth values of those that are propositions?
   a) Boston is the capital of Massachusetts.
   b) Miami is the capital of Florida.
   c) $2 + 3 = 5$
   d) $5 + 7 = 10$
   e) $x + 2 = 11$
   f) Answer this question.

   Solution:

Question	Proposition	Truth Value	Explanation
a	Yes	T	The proposition is a statement of fact that can be tested.
b	Yes	F	The proposition is a statement of fact that can be tested.
c	Yes	T	The proposition is an arithmetic identity that can be tested.
d	Yes	F	The proposition is an arithmetic identity that can be tested.
e	No		The equation has infinitely many solutions that are true and infinitely many solutions that are false. A proposition can have only one truth value.
f	No		The proposition is a command and has no truth value.