A290/A590 Mini Assignment 3 + Just In Time Assignment 3

**JIT 3: DUE to JEFF VIA EMAIL [jwhitmer@cs.indiana.edu] by Friday, September 30, 2016 BY 10:00PM
MINI 2: DUE Friday, September 30, 2016 BY 10:00PM to your Canvas "MINI 3" Assignment**

Please be sure to use *only* the Microsoft Word format (.doc/.docx) or compatible for your MINIs. Please do not use PDF or any other format.

MINI 3: DUE Friday, September 30, 2016 BY 10:00PM to your Canvas "MINI 3" Assignment

Using your preferred search tool and search techniques, find at least three on-line entries (from three **different** sites or locations) for the first topic, and two on-line entries (from two different sites or locations for the second and third topics. Read the following carefully before you begin.

Read Chapter 4 from Hoover, **System Programming with C and Unix**, focusing on where the author discusses **pointers**, and **structures.** This will help get you started. **You DO NOT have to use Hoover as a resource in this exercise.**

1. **Pointers in C:** What are they? What do they do? Why are they important and/or useful? When/Why should we use them? What should we be cautious about?

2. **Structs in C:** What are they? What do they do? Why are they important and/or useful? When/Why should we use them? What other constructs do they depend on? What should we be cautious about?

3. **Linked Lists in C:** What are they? Why are they so important and/or useful? What other constructs to they depend on? What do we need to be cautious about when using them?

For EACH of these 3, please write up the following and have it ready to submit by the assigned deadline:

1. List the 3 URIs you used as a result of your search.
2. Offer a 1 or 2 **paragraph** précis of the topic from your three (3) URIs. Summarize what was said in what you read.
3. Offer, in your own words, a summary explanation of what you think the one or two **most important points** were in **all the resources** you read.
4. **For JIT 3:** Ask your **one big question**. You may have many, but think carefully and ask the one you think is most important to help expand and deepen your understanding of this subject.

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Submit your 3 **big questions** (#6 from each of the 3 topics above) by email before 10PM on the due date (9/30/2016).

Please send your JIT **as the body of a simple email message**. Please **do not** send them as an attached file. BE SURE to include "JIT 3" and "A290" or "A590" in your Subject line.

Remember, you need to do #1-4 above for each of the 3 topics and submit the electronic version for **MINI 3 to your Canvas "MINI 3" Assignment**, **and** also send me the 3 questions by email for **JIT 3**.