**Module Assignment Summary**

[Module Assignment Summary](https://faytechcc.blackboard.com/webapps/blackboard/content/listContent.jsp?course_id=_33824_1&content_id=_5842783_1)

**Module Assignment Summary**

Assignments:

* CH8A (due 11/1)
* CH8B (due 11/8)
* M4T1 (due 11/15)
* M4LAB1 (due 11/22)
* M4HW1 (due 11/29)

### [CH8A](https://faytechcc.blackboard.com/webapps/assignment/uploadAssignment?content_id=_5842790_1&course_id=_33824_1&group_id=&mode=view)

**CH8** involves the Chapter 8 reading and participation exercises from 8.1 to 8.5. This assignment is due 11/1.

This material covers the basics, and introduces one of the most common reasons you'd use pointers -- a linked list. Linked lists don't hold data in order -- rather, they use pointers to connect a list like beads on a string, where each node points to the next. The benefit here is that, unlike a linear data structure like an array, inserting something into the middle just involves modifying a few pointers to add the new node.

### [CH8B](https://faytechcc.blackboard.com/webapps/assignment/uploadAssignment?content_id=_5842791_1&course_id=_33824_1&group_id=&mode=view)

**CH8B** completes the Chapter 8 participation exercises, and introduces some of the common concerns that come about when you're working directly with memory.

War story: Back in the 90s, there was a very popular book called **Writing Solid Code**. The book was for Windows C++ programming, and about 80% of it was about one topic: memory management, which is covered heavily in sections 8.6 and 8.8. In modern systems, this is less of a concern than it was (it used to be the #1 concern, because a bad pointer could blue screen your entire Windows computer), but it's still very important.

In other words, this section doesn't have a lot of questions, but it's important to have a good handle on them.

This assignment is due 11/8.

### [M4T1](https://faytechcc.blackboard.com/webapps/assignment/uploadAssignment?content_id=_5842792_1&course_id=_33824_1&group_id=&mode=view)

**M4T1 - due 11/15**

For this assignment, you'll complete the **Challenge Activities** in sections 8.1 to 8.5 of Zybooks.

You can either screenshot this in the normal fashion, or look for the M4T1 assignment in Zybooks and screenshot your results there.

These questions aren't too difficult, but they require you to have a solid handle on how pointers work, so I recommend taking them slow and steady.

### [M4LAB1](https://faytechcc.blackboard.com/webapps/assignment/uploadAssignment?content_id=_6117816_1&course_id=_33824_1&group_id=&mode=view)

M4LAB1 - due 11/22

For this assignment, you should complete LAB 8.16 (output linked list).

You are not required to do the assignment in the Zybooks lab environment -- you may find it easier to use repl.it or your own compiler setup.

The auto-grading for these labs is pretty strict -- it checks for exact answers including whitespace. In comparison, I'm only looking for correct answers. Therefore even though the auto-grader can "grade" your assignment, typically my human grading of your code will be less strict.