

1. Review **C++ pointers, dynamic memory allocation, and deallocation**
2. Review **C++ Dynamic Arrays, class copy constructor and destructor.**
3. Review **memory leaks and accessing invalid memory.**
4. Review **True/False, Multiple choice** questions

Chapter 11 review questions (Lecture 22)

1. Review **True/False, Multiple choice** questions
2. Review **C++ linked list class** we defined

Chapter 12 review (Lecture 23)

1. Review **True/False, Multiple choice** questions
2. Review **template function and template class** definitions.
3. Make sure you know how to use a template class.

Chapter 13 review (Lectures 14, 23 & 24)

0. All the code in this chapter was written in Python.
1. Review definition of a **heap**. Code of the Heap class. Review insertion and deletion methods. Know run-time efficiency of its methods.
2. Review definition of the **priority queue** and how priority queue might be implemented. I'm not asking about run-time efficiency for priority queue's methods.
3. Review **AVL trees** (including AVL property and the code in Python). Make sure you know how to insert a value into an AVL tree and how to re-balance an AVL tree, if after insertion the AVL property is violated. Note that we did not define deletion for an AVL tree.
4. Review **Hash tables and collision resolution**. Note that we didn't see the code for this part of the Section.
5. Review **True/False, Multiple choice** questions
6. See Short Answer questions (page 481)