CS250 Exam #3 Review Material

- Inheritance
- Superclass
- Subclass
- Base class
- Derived class
- is-a
- has-a
- composition
- overloading
- public vs private members in general
- dynamic memory (new, delete, heap)
- this, *this
- memory leak
- copy constructor
- memberwise assignment
 - difference between Person cTempPerson = cPerson and cTempPerson = cPerson
- destructor
- regular variable versus pointer variable (int versus int *, char versus char *, ...)
- sizeof
- address operator &
- dereference operator *, ->
- pointer operations (pInt + 2, *(pInt + 2), ++pInt, pInt++...)
- activation record
- difference between arrays and pointers
- writing code using array notation versus pointer notation
- pointers as function arguments
- null pointer
- strings as char *
- cout << pName; versus cout << *pName;
- int * versus const int * versus int * const