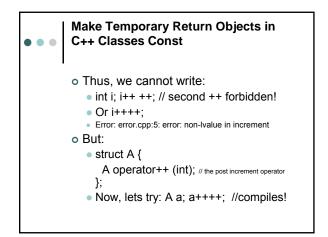
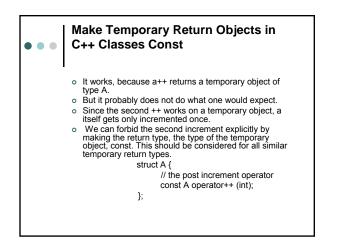
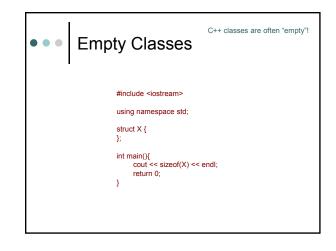


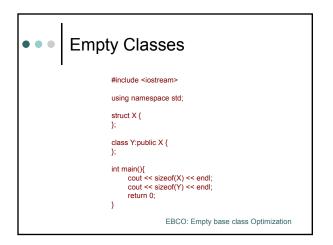
Make Temporary Return Objects in C++ Classes Const

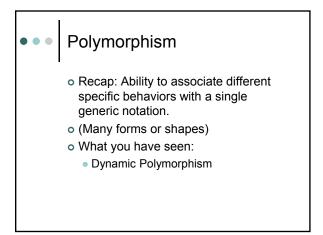
- L-values: can be used for the left side of an assignment, they are non-const.
- R-values: cannot be used for the left side of an assignment. They are const.
- For example the post-increment operator requires an I-value, but is itself an r-value.

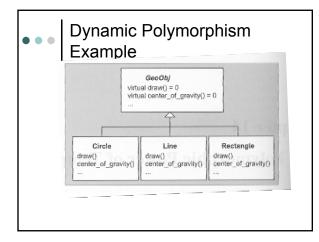


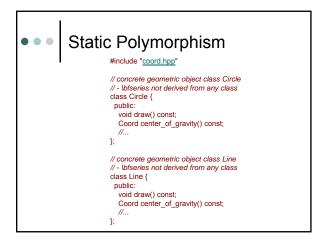


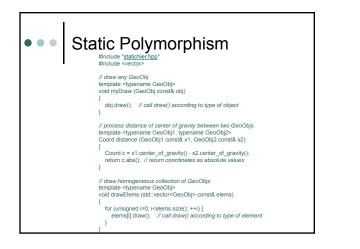


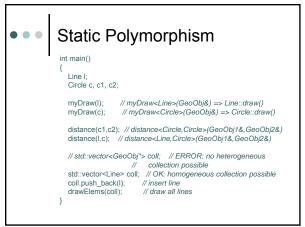


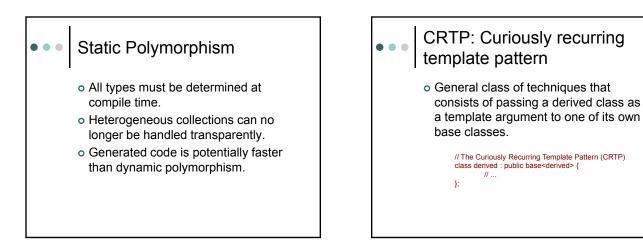


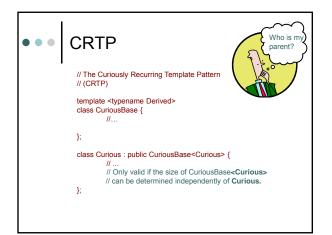


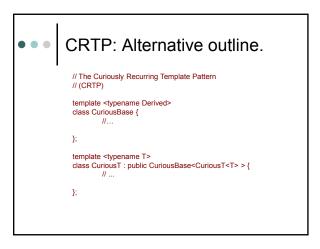


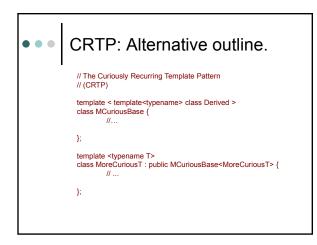


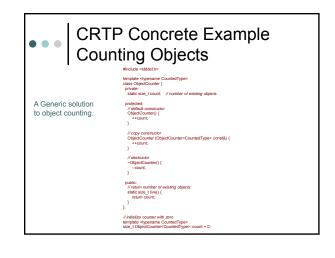


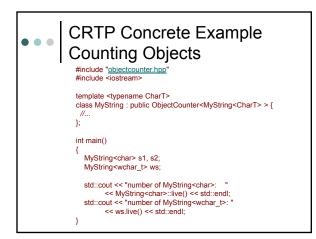


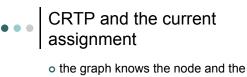




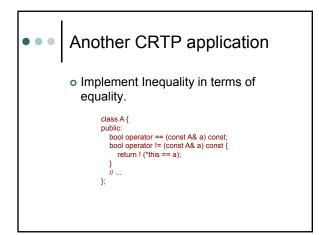


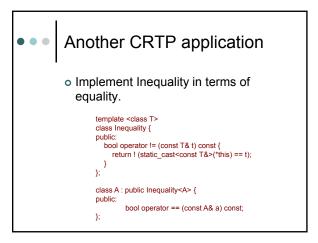


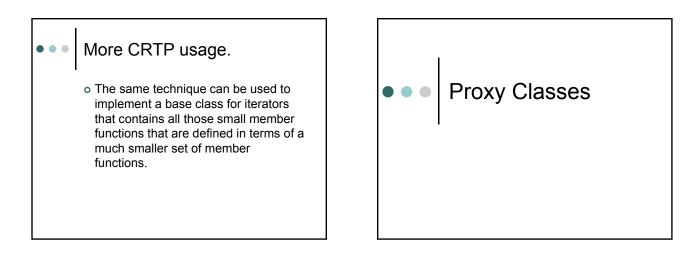




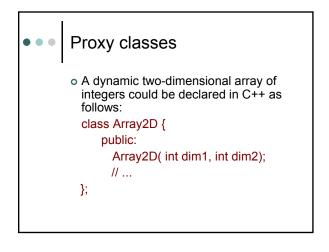
edge class that are supposed to work together, and therefore the graph class passes itself as template argument to both types.

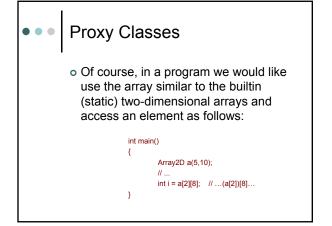


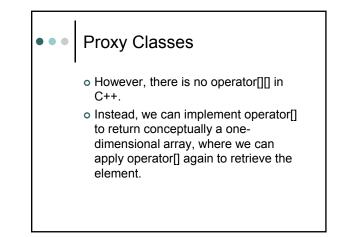


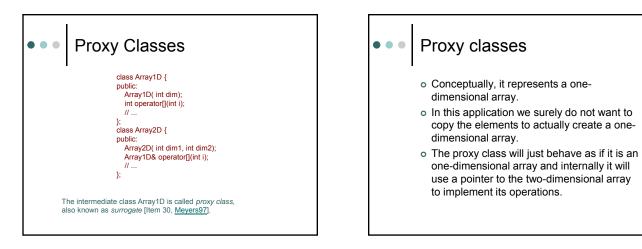


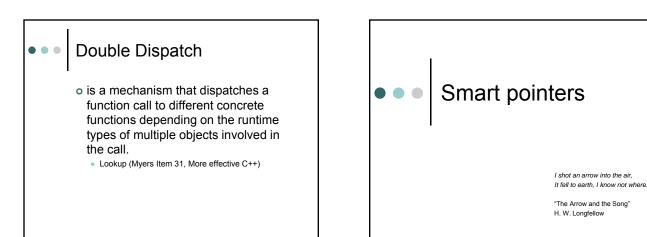
•••	Is this legal?
	int data[10][20];
	void processInput(int dim1, int dim2){ int data[dim1][dim2];
	}
	int *data = new int[dim1][dim2];



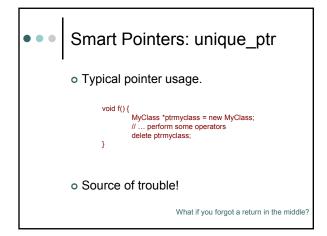


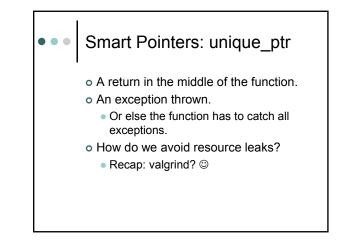


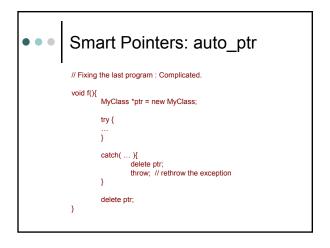


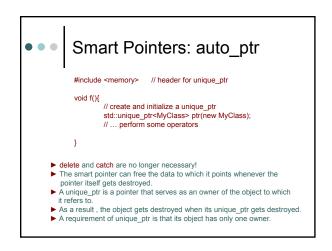


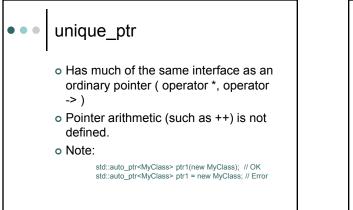


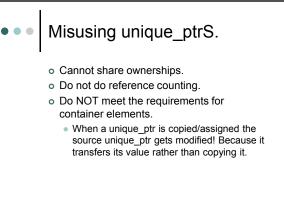












• • • Unit Testing

- **unit testing** is a procedure used to validate that individual units of <u>source</u> <u>code</u> are working properly.
- Unit = Smallest testable part of an application
- o In C++, Smallest unit = Class
- Goal: Isolate each part of the program and show individual parts are correct.