

Virtual Destructor Exercises

Virtual Destructor

- Write a program which binds a child object to a pointer to its base class
 - Both classes have a non-virtual destructor function
 - The destructor body prints out the name of its class
- At the end of the program, call delete on the pointer
- What output do you expect to see?
- Compile and run the program
- Explain your results

Virtual Destructor

- Change your program so that the destructor is declared virtual in the base class
- What output do you expect to see?
- Compile and run the program and compare the results
- Explain any differences from the previous output

Synthesized Destructor

- Why is this important?

Virtual Destructor Recommendations

- In general, what should we do when writing a class which has virtual member functions?