

HW 5 – Casts

Examine the provided program. Draw the VFTs for the classes and for each function call in main.cpp, show which VFT entry is used. I have given an example for the first one below. Note any strange behavior and explain it in terms of the VFTs. You may do your drawings by hand and scan or photograph the sheet to turn in.

Make a different copy of main.cpp called mainStaticCast.cpp and mainDynamicCast.cpp and turn the C-style casts into static_cast and dynamic_cast, respectively. Observe the behavior. Explain briefly any runtime or compile time errors. Turn in your explanations.

If you have more than one file put them into a folder named your username and turn that in to Black Board. If you have a single file, name it your username with the proper file extension (e.g., .pdf or .jpg) and turn it in.