In this exercise, you will use anonymous and named pipes to transmit information across address spaces. One process, the source, uses a host file interface to read information from a file and to write the information to an anonymous pipe. A second process, the filter process, reads infomration from the source (passed by the pipe), performs a simple filtering step (such as converting all upper-case letters to lower-case letters), and writes the resulting data to a named pipe. The named pipe is used for IPC between the filter and the sink process. The sink process reads the named pipe from the filter and writes the information to a second file. Remeber not to allow the filter to block on empty input if it has something to transmit.