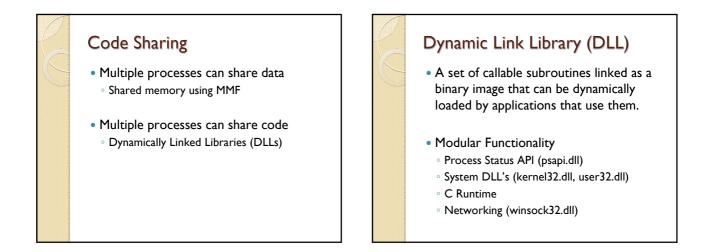
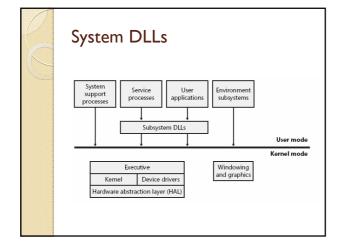


Plan

- Shared Code
- What is DLL
- Advantages of using DLL
- Binding
- Sample







- Conserve memory
 - Multiple processes share a single copy of the DLL in physical memory
 - reduce swapping
- Less overall executable footprint
 - Reduce install package size
- Easy update
 - DLL change does not incur application rebuild
 - After market support

Method for using DLLs

- run-time dynamic linking (explicit)
 Decide at run-time which library and functions from
- Decide at run-time which library and functions from it to use
 LoadLibrary() / FreeLibrary()
- Flexible but more coding
- load-time dynamic linking (implicit)
 - Link an import library
 - At startup the system loads the DLLs specified by the program
 - Easy to code but less flexibility

Import libraries (.lib)

- Import libraries contain information about exports in other programs
- Supplies the system with the information needed to load the DLL and locate the exported DLL functions when the application is loaded

