

Address Resolution and Linking

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CSC201 Section 002

Fall, 2000

LST (listing) File

- Generated by _____ option to ml.exe (change the make file)
- Contains
 - _____
 - _____
 - _____
 - _____
 - _____
 - _____
- (see hw3a.lst)

_____ and Linking

- A *linker* _____

 - Means the variables in data sections must be _____
 - References to those variables must be _____
- How does the linker know which bytes are _____?
 - The assembler tells it, in the .obj file ("note to linker: _____")
- Other notes from the assembler
 - _____
 - _____

Separate Compilation

- The ability to compile and assemble _____, and link together as needed

- Reduced programming effort:
-

- Convenience:
-
-

- Flexibility:
-
-

Separate Compilation

- Add EXTRN and PUBLIC directives

- _____
- _____
- _____

- Use same directives in all modules, except...

- _____
- _____
- _____
- _____

Procedures in Separate Modules

- Make sure the caller and callee agree on conventions!
- Check compiler specification for procedures, if linking with high-level language