GAS Tutorial - 2. Command-line Options

Young W. Lim

2016-03-01 Tue

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"Using as", Dean Elsner, Jay Fenlason & friends

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enable listing output

- '-ah' a high-level language listing
- '-al' an output-program assembly listing
- '-as' a symbol table listing
- '-ag' print version, switches passed, or time stamp.
- '-ac' to omit false conditionals from a listing.
- '-ad' to omit debugging directives from the listing.

to add a path to the list of directories as searches for files specified in .include directives

- can use '-l' as many times
- the cwd is always searched first

- Local symbols with symbol prefixes
 - L' for ELF systems
 - 'L' for a out systems
- Normally both as and Id discard such symbol
- use -L to retain those local symbols in the object file

This feature combines the input source file(s) with a hex dump of the corresponding locations in the output object file The format of this listing can be controlled by directives inside the assembler source

- .list
- .title
- .sbttl
- psize
- .eject

- treat all data-section data in the text section.
- the data section part of your object file is zero bytes long
- generate shorter address displacements

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