

ZASM - Z80 Opcode Assembler

ZASM is a fairly basic assembler for Z80 opcodes, along the lines of the ASM assembler for 8080 opcodes. It takes a source file in Z80 code, and assembles it to an Intel hex file, which can then either be converted to an executable using the CP/M LOAD command, or blown to an eprom.

ZASM is a two pass assembler. During both passes the assembly is listed to screen. On encountering an error a message is displayed to the screen and the option of continuing or abandoning is offered.

ZASM is self hosting (it can assemble itself). Therefore the source code provides a reasonable example of the syntax.

To use ZASM to assemble ZASM use the CP/M command:

```
ZASM ZASM.Z80
```

Syntax notes:

- * Z80 Opcodes are standard.
 - * Numbers are decimal by default.
 - * Hex numbers are preceded by a hash (#).
 - * Pseudo ops are:
 - DEFB - Define bytes.
 - DEFW - Define words.
 - DEFS - Define strings.
 - DEFC - Define strings terminated with high bit set.
 - BYTE - Reserve space for specified number of bytes.
 - WORD - Reserve space for specified number of words.
 - ORG - Set location for calculating address of labels.
 - LOAD - Set address for code in hex file.
 - INCLUDE - Insert contents of specified file at this location.
 - CHAIN - Continue assembly from specified file (historical)
 - * There is no support for macros.
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