

Quizzes



Name:

In what ways do the **A** and **B Accumulators** differ from the **X** and **Y Index registers**?



Label each of the following statements as either true or false:

- _____ A label may not start with `$$`.
- _____ A comment field must begin and end with a semicolon.
- _____ All assembler directives begin with a period.
- _____ If the assembler is called with the `-g` option, all undefined symbols at the end of the first pass will be redefined as global symbols.
- _____ When possible, the use of local labels should be avoided.

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The following hexadecimal numbers are found beginning at `0xC000`:

86 01 01 B6 01 01 CE 01 01 A6 01 CD EE 00 01 20 FE

Disassemble the machine code to indicate the instructions and operands for the program stored at `0xC000`.



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Briefly describe the purpose of the `ports.h` header file. When is it necessary to include it in C programs?

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What will happen if `0x80` is written to the `OPTION` register and then one second later, `0x34` is written to the `ADCTL` register? Where will the input to bit 6 of port E be found (if it is not available, just say so)?



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For what are the `wai` and `stop` instructions used? Describe in detail how the two instructions differ.