ECE 375 Study Questions

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Study Questions:

1. The source code is presented in Courier New, 8pt font.
2. A pre-compiler directive is a special piece of code which is executed prior to compilation. These can include macros, memory initialization, and other actions which are not converted directly to opcodes.

.EQU assigns a value to a label, essentially creating a constant that may be reused throughout code.

.DEF assigns a specific register to a label, allowing that register to be referred to in a readable way throughout code.

Neither expression is every strictly necessary, but when used correctly contribute to helpful and readable code.

1. Binary Shift Operator
   1. 1 << 2 => 100
   2. 2 << 1 => 100
   3. 4 >> 1 => 10
   4. 1 << 4 => 10000
   5. (6 >> 1 | 1 << 6) => 11 | 1000000 => 1000011