ECE 375 LAB 1

Introduction to AVR Development Tools

Lab Time: Wednesday 5-7pm

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STUDY QUESTIONS

1) Mono-Spaced Font, 8-pt

2) *Pre-Compiler Directive*: Special instructions that are executed before the code is compiled and direct the compiler.

   Difference between the .def and .equ directives:

   .def: Defines a symbolic names on a register.
   Allows the registers to be referred to through symbols. A defined symbol can be used in the rest of the program to refer to the register it is assigned to. A register can have several symbolic names attached to it. A symbol can redefined later in the program.

   .equ: Sets a symbol equal to an expression.
   Assigns a value to a label. This label can then be used in later expressions. A label assigned to a value by this directive is a constant and cannot be changed or redefined.

3) a. b00001000

   b. b00001000

   c. b00000100

   d. b00000011 | b01000000 = b01000011

CHALLENGE

We created a new variable that was 2 times of the Wtime variable.
We then replaced the Wtime variables on the reverse sections with our new variable.