ECE353 In Class Exercise

ARM Assembly – Conditional Instructions

Open the project file found in the src directory with Keil uVsion 5

In src/ece353_main.s, you will find comments in the main routine that will instruct you to use conditional instructions to set the values of certain registers. After each comment, add the ARM assembly instructions that carry out the description in the comments. Use the debugger to verify that your implementation is correct.

You can find examples of the common ARM assembly instructions using the ECE353 virtual book. You can also use the ARM assembly reference found under the Datasheets link on the course homepage.

What to Turn in

You are encouraged to work with your classmates to complete this exercise. Each student will in their version of ece353_main.s . Submissions are evaluated for overall understanding of the concepts. They are not going to be evaluated based on if the code is 100% correct.