ASSEMBLY LANGUAGE PROGRAMMING AND 9S12 PORTS (WEEK 1)

Pre-Lab

Questions to answer before lab:

- Hand-assemble the program in Figure 1 of Week 1; i.e., determine the op-codes the MC9S12 will use to execute this program.
- How many cycles will this take program on the MC9S12? (Do not consider the swi instruction.)
- How long in time will this take? (Note: the MC912 executes 24 million cycles per second.)
- What will be the state of the N, Z, V and C bits after each instruction has been executed? (Iignore the swi instruction.)
- What will be in address 0x2000 and 0x2001 after the program executed?