1. When running my tests, they never finish.  
   $make test   
   …  
   Breakpoint 1 at 0xe0: file source/main.c, line 15.  
   Note: automatically using hardware breakpoints for read-only addresses.  
   ======================================================  
   Running all tests..."  
     
   Test 1:"PINA: 0x00, PINB: 0x00 => PORTC: 0"...  
   1. **Problem:** You have too many while(1) statements.   
      The script looks for the first while(1) statement and creates a break point there. If you have multiple (you should never have multiple) the break point will be in the wrong place and might not work.   
      **Solution:** Remove all extraneous while(1) statements.
   2. **Problem:** You are compiling the wrong file.  
      If you have multiple source files (.c) that all have a main(), the debugger might be running a different file than it is attempting to put the break point in.   
      **Solution:** Make sure there is only one source file (.c) that has a main() function. All other exercise source files should be in the turnin/ directory.
   3. **Problem:** You have an infinite loop somewhere.  
      If the previous two possible solutions don’t solve the problem, check all for and while loops. Keep in mind that an unsigned 0 - 1 is still positive and an unsigned char 255 + 1 is 0. These might cause inifinite loops when used improperly.  
      **Solution:**  Fix the infinite loop. This is exactly the type of logical error tests are intended to catch.
2. “test/initDebugger.dgb:6: Error in sourced command file:”
   1. **Problem**: There is no build/results directory so logging is having trouble starting.  
      **Solution:** Add the build/results directory.