**Process Improvement Plan**

A P.I.P stands for process improvement plan. It is used to track some of the errors that a programmer makes, in hopes that these common errors are caught before the compile of the program. It is useful because it allows the programmer to look at the common mistakes they are making and help them move forward by limiting these mistakes. It also is beneficial for efficiency as the programmer does not have to waste time looking at the countless errors that the compiler has found in the code.

Lab 2

**Michele**: A common error I was making in this lab was the organisational management of macros and global variables. Very often there would be errors in my code related to unreferenced variables and names, and this was due to poor management of where I was keeping my variables and macros. Going forward I will keep my global variables and macros in a specific file, either the main source file or header file, whichever makes more sense, and I will always add new macros and global variables to this same file.

**Aidan:** A common error I was making in Lab 2 was having magic numbers inside my code. This made it hard to figure out what some of the magic numbers meant when I would be debugging my code later or why that number was chosen for a bit mask for example. Going forward I will make sure to add comments to each of the magic numbers and make the magic numbers into a MACRO that has a well defined name.