

In this lab we started from scratch - first git cloned and learnt how to use the MPLab software.

## Part 0:

Through the Part 0 I learnt how to do add the Board files to the project.

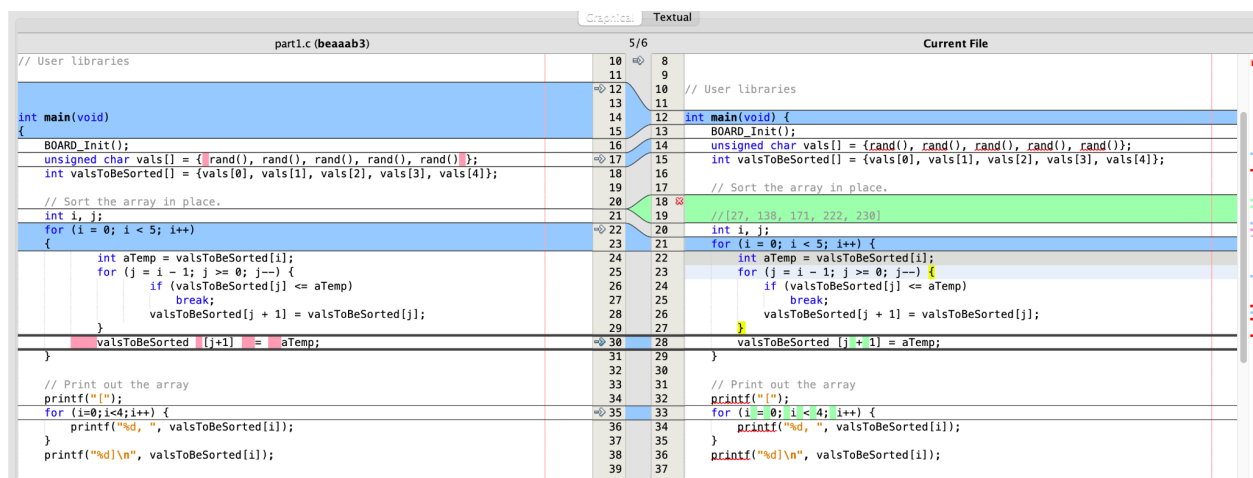
I had some issues at first since my board files and project were not in the same folder, so the "#include" statement kept giving me "Error 255 and Error 2", but after some trouble shooting I figured out that the files were not in the right location.

## Part1:

In this part I learnt how to debug and format code in MPLabs.

Line numbers that changed after formatting (these are the line numbers of the current code:

12, 14, 18, 19, 21, 28, 33



## Part 2:

In this part I learnt some properties of the printf function, and how to change the formatting of the numbers and created headings.

```
//print out table
while (fahr <= upper) {
    celsius = (5.0 / 9.0)*(fahr - 32.0);
    printf("%7.1f %04.0f\n", (double) fahr, (double) celsius);

    fahr = fahr + step;
}
```

My code for controlling the width and precision of the decimals.

Feedback- the instructions for figuring out how to manipulate the decimals was a bit confusing, but was still able to figure it out after some struggle