# **Prac 3 RPI-Python Basics EEE3096S**

# John Peddie PDDJOH001

# August 2018

## Section 1:

1. A frequency of 100 was used. This allows for a wide range of brightness options as well as an easily devisable number to meet the increment requirements of this practical.
2. For ease of computation, the duty cycle was set as a percent of the frequency. This was done by incrementing the brightness up on a scale of 1-10 and then multiplying this value by 10 to achieve a percent out of 100, this was then set as the duty cycle. For the dimmer, the same approach was taken however the scale was 1-7 as there were only 7 levels of dimming as per practical requirements.
3. 