Connor Fortier

Week Two Milestone

CS 350

1/16/2022

The following response is my answers to the questions provided in the lab instructions for this week’s milestone. First, the pwmled2, or pwmled2.c, sets the PWM period to 3000 microseconds by default. Next, the PWM\_setPeriod() function sets the PWM period when it is called by the program. Then, the PWM\_setDuty() function sets the PWM duty cycle when it is called by the program. Finally, the purpose of the while(1) loop in pwmled2 is to loop infinitely to make the led lights blink according to how the aforementioned functions are programmed, in addition the other factors involved in blinking the lights. In conclusion, the purpose of the usleep() function in the while(1) loop is to cause the internal clock to sleep to a designated period of time in order to steadily blink the led lights at the desired interval.