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CS-350-R3340 Emerging Sys Arch and Tech

2-2 Milestone One Submission

January 21, 2024

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**• What does pwmled2 set the PWM period to?**

From the given lab exercise, pwmled2 sets the PWM period to 3 milliseconds, or 3000 microseconds. This can be seen in the given base code, where the period was set to 3000.

**• Which PWM\_xxx() function sets the PWM period?**

The PWM\_Params\_init() function sets the PWM period if the specific handle.

**• Which PWM\_xxx() function sets the PWM duty cycle?**

The PWM\_setDuty() is the function that sets the PWM duty cycle.

**• What is the purpose of the while(1) loop in pwmled2?**

The purpose of the while(1) loop in pwmled2 is to loop through the given code a few times so that it loops forever while incrementing the PWM duty. This can be seen in the video where the lights are blinking. They are blinking because the while(1) loop circles through the code.

**• What is the purpose of usleep() in the while(1) loop?**

The purpose of usleep() in the while(1) loop is to momentarily suspend the code from running for a given amount of time. This then slows down the execution of the code which makes the LED lights appear to not blink as fast.