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**CS-350 Emerging Sys Arch & Tech**

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**2-2 Milestone One Submission**

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

PWM, which stands for Pulse Width Modulation, is set to a period of 3000 ms in pwmled2A screenshot of a computer program

Description automatically generated

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

The PWM\_open() function is used to set the PWM period.A screen shot of a computer program

Description automatically generated

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

The PWM\_setDuty() function is responsible for setting the PWM duty cycle.A computer code with text

Description automatically generated

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

The while(1) loop is used to continuously repeat the instructions inside it, running indefinitely as long as the condition is true. This is essential for creating a stable and ongoing PWM output, which can, for instance, control LED brightness over time.

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

usleep() pauses the loop for a specified duration, controlling the loop's speed. Without usleep, changes would occur too quickly to observe on the board.