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CS-350

Module 1

What does pwmled2 set the PWM period to? **We know by looking at the code in pwmled2.c file that PWM period is equal to 3000 microseconds.**

Which PWM\_xxx() function sets the PWM period? **The answer is the PWM\_Params\_init(&params); function sets the PWM period, setting it to params.periodValue. Even though the PWM period is given a value in the mainThread portion, we know it has to be set to something and that is where it goes under PWM\_Params\_init.**

Which PWM\_xxx() function sets the PWM duty cycle? **The answer is easy, that would be the PWM\_start(pwm2) function.**

What is the purpose of the while(1) loop in pwmled2? **It is designed to tell the program that while a switch is active the following function must run otherwise that function does not run and can not run until a particular switch, or any switch is activated.**

What is the purpose of usleep() in the while(1) loop? **That is to give the program to go into sleep mode at the end of the function, however here in this instance we know that time is equal to a number of microseconds so the program will wait that amount of time before cycling through the loop for another time and it will continue to repeat such actions.**