2-4 Milestone One

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CS 350

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1. At what frequency can you see the LED start to blink?

The LED started to blink at 30 Hz.

1. At what duty cycle is the intensity of the LED perceptibly diminished from the initial 50% duty cycle?

The LEDs intensity began to diminish when the duty cycle dropped below 40%.

1. When changing the duty cycle of the PWM, the loop used an increment of 5 every tenth of a second. Was this perceptibly smooth? If not, what could you change to improve the visual response? Why?

I think that the transition appears to be smooth.

1. What function sets the PWM frequency for a GPIO line?

The function that is used to set the frequency is GPIO.PWM(pin, frequency).

1. What function sets the duty cycle for a GPIO line?

The function that is used to set the duty cycle for a GPIO line is pwm(insert line number without parentheses).ChangeDutyCycle(dutyCycle).

LINK TO VIDEO: <https://drive.google.com/file/d/1mXVWw5BgZPK2sDHaHhdVTpqbwKB6ogFH/view?usp=sharing>