Mission 3 Review Kahoot Questions

Definition of "ANALOG"	a. A binary peripheral with two states – True or False b. on/off pulses are sent at a constant rate, set by the duty cycle c. converts an analog measurement to a digital value d. A peripheral with a range of integer values
Definition of "DIGITAL"	a. A binary peripheral with two states – True or False b. on/off pulses are sent at a constant rate, set by the duty cycle c. converts an analog measurement to a digital value d. A peripheral with a range of integer values
Definition of "ADC"	a. A binary peripheral with two states – True or False b. on/off pulses are sent at a constant rate, set by the duty cycle c. converts an analog measurement to a digital value d. A peripheral with a range of integer values
Definition of "PULSE WIDTH MODULATION"	a. A binary peripheral with two states – True or False b. on/off pulses are sent at a constant rate, set by the duty cycle c. converts an analog measurement to a digital value d. A peripheral with a range of integer values
Which function will delay code using milliseconds?	a. delay_ms() b. sleep() c. sleep_us() d. sleep_ms()
How many milliseconds are in one second?	a. 100 b. 1,000 c. 10,000 d. 1,000,000
What is an example of a 75% duty cycle?	a. The LED is on for .25 out of every second b. The LED is on for .50 out of every second c. The LED is on for .75 out of every second d. The LED is dim for .75 of every second
What is the purpose of this code? `led = exp.pwm_out(exp.PORT0)`	a. Set up the LED as a digital output peripheral b. Set up the LED as a pwm output peripheral c. Set up the LED as a pwm input peripheral d. Set up the LED as an analog output peripheral
When the LED is set up as PWM, what is the value for LED_OFF?	a. LED_OFF = False b. LED_OFF = 2**10 c. LED_OFF = 0 d. LED_OFF = True
When the LED is set up as PWM, what code will assign it a value?	a. led.value = val b. value.led = val c. led(duty_cycle) d. led.duty_cycle = val
What type of peripheral is a potentiometer?	a. Analog input b. Digital input c. Analog output d. PWM output

What type of peripheral is a motion sensor?	a. Analog input b. Digital input c. Analog output d. PWM output
What are the possible values for the motion sensor?	a. True and False b. All positive integers c. 0 and 1 d. 0 to 2^16
What code returns the number of milliseconds since reboot?	a. time.sleep() b. time.sleep_ms() c. time.ticks() d. time.ticks_ms()

The following code is an example of:
 	
``python
while True:
    if motion_sensor.value == MOTION_DETECTED:
        turn_off_time = time.ticks_ms() + ON_TIME
        while time.tick_ms() < turn_off_time:
            set_led(potetiometer.value)
``
	a. Branching
	b. Abstraction
	c. Nested loop
	d. Setting up a peripheral