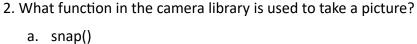
## Week 4 Quiz

1. What is the name of the Python package used to control the Raspberry Pi camera module?						
	a.	rpicamera	a			
	b.	picamera				
	c.	picam				
	d.	camera				



- b. photo()c. picture()
- d. capture()
- 3. What is a "duty cycle"?
  - a. The period of a square wave
  - b. The fraction of time a square wave is high
  - c. The frequency of a square wave
  - d. The duration of the high pulse of a square wave
- 4. Why is pulse width modulation useful?
  - a. It is commonly used to transmit video data
  - b. It is used to control the Raspberry Pi camera module
  - c. It can be used to mimic an analog signal
  - d. It can be used to read data from camera sensors
- 5. How many input wires does a servo have?
  - a. 2
  - b. 3
  - c. 4
  - d. 5

- 6. Why is it common to use an external power supply to drive a servo?
  - a. AC power is needed to drive a servo
  - b. A servo needs more current than a microcontroller can provide
  - c. A servo needs more voltage than a microcontroller can provide
  - d. A servo requires power in the form of a square wave
- 7. The CSI camera interface of the Raspberry Pi needs to be activated before using the camera module.
  - True
  - False
- 8. The speed of a servo motor is easily controlled.
  - True
  - False