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CS350

Module 5-1 Lab answers

* What is the purpose of the timerCallback() function?

A Timer object, it will do nothing until the startTimer() method is used, the message thread will begin

making callbacks at the specified interval. This will continue until the stopTimer() method is called or the

object is removed.

* What does period mean in this context?

The interval between each consecutive execution.

* How does the Timer\_CONTINUOUS\_CALLBACK parameter impact the driver?

This call is non-blocking. The caller thread will continue running after using Timer start(). The designated

callback function will be called when the timer interrupt occurs. Until Timer stop() is called, the timer will

automatically resume and produce interruptions on a regular basis.

* What is gpioButtonFxn0() used for?

Callback function for the GPIO interrupt on CONFIG\_GPIO\_BUTTON\_0

* What is the purpose of GPIO\_CFG\_IN\_INT\_FALLING?

This toggles the current state of a GPIO