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CS-350 Module 3 Milestone 2

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**Lab Questions**

* How does the macro UART\_DATA\_BINARY impact the UART?

The macro UART\_DATA\_BINARY means that the data that is passed through the UART is not processed. This means that the raw data that is incoming is the same as the outgoing data because they are both binary.

* How does the macro UART\_RETURN\_FULL impact the UART?

The macro UART\_RETURN\_FULL waits until the buffer is full so the full block of incoming data is read completely.

* What driver call would you use to write 10 characters out of the UART?

The driver that would be called to write 10 characters is UART2\_write(). If used in the uart2echo.c program it would look like, UART2\_write(uart, &input, 10, &bytesWritten);.

* What is the driver call to turn off LED 0?

The driver that turns off the LED is the GPIO\_write(). Calling the driver looks like, GPIO\_write(CONFIG\_GPIO\_LED\_0, CONFIG\_GPIO\_LED\_OFF);.

* What is the UART baud rate?

The UART baud rate is the rate of communication over the UART. In the uart2echo.c program it is set to 115200.