**Milestone Two**

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The following are my responses to the questions from the CS-350 Milestone Two UART GPIO Lab Guide:

1. How does the macro UART\_DATA\_BINARY impact the UART? UART\_DATA\_BINARY impacts the UART by passing its values to both uartParams.readDataMode and uartParams.writeDataMode. The data is both read and wrote but not processed.
2. How does the macro UART\_RETURN\_FULL impact the UART?

UART\_RETURN\_FULL impacts the UART by reading the data only until the buffer is full instead of when a new line is reached. UART\_RETURN\_FULL unblocks or performs a callback when the read buffer has been filled.

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

UART\_write(UART, &input, 10);

1. What is the driver call to turn off LED 0?

GPIO\_write(CONFIG\_LED\_0, CONFIG\_GPIO\_LED\_OFF);

1. What is the UART baud rate?

When a receiving UART detects a start bit, it starts to read the incoming bits at a specific frequency, which is the baud rate. It is measured and expressed in bits per second. The baud rate is set to 115200 bps.