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Milestone 2 Questions

How does the macro UART\_DATA\_BINARY impact the UART? The macro UART\_DATA\_BINARY is used in setting up the read and write modes for uart in these lines: uartParams.writeDataMode = UART\_DATA\_BINARY; uartParams.readDataMode = UART\_DATA\_BINARY; These set it so that data is not processed, as opposed to using UART\_DATA\_TEXT.

How does the macro UART\_RETURN\_FULL impact the UART? The macro UART\_RETURN\_FULL is used in setting up the read return mode in this line: uartParams.readReturnMode = UART\_RETURN\_FULL; This sets it so read returns when the buffer is full, in our case after each char since the buffer is only one char. The other setting is UART\_RETURN\_NEWLINE that will return when the user enters a newline.

What driver call would you use to write 10 characters out of the UART? If you called UART\_write(uart, &input, 10); it should write 10 characters out of the buffer input, assuming that there were 10 characters in the buffer.

What is the driver call to turn off LED 0? The call to turn off LED 0 is GPIO\_write(CONFIG\_GPIO\_LED\_0, CONFIG\_GPIO\_LED\_OFF); the last parameter is what is used for on and off.

What is the UART baud rate? It is the speed that the transmitter and receiver are synchronized to. In this case it is 115200 bits per second. Without setting this the microcontroller and the computer couldn’t communicate.