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CS-350-R3340 Emerging Sys Arch and Tech 24EW3

3-2 Milestone 2

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

The macro UART\_DATA\_BINARY impacts the UART. This is done by passing the data as is without processing.

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

The macro UART\_RETURN\_FULL impacts the UART when the read action unblocks or returns when the buffer is full.

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

You would need to call the UART2\_write driver.

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

In order to turn off the led you would need to call the GPIO\_write(CONFIG\_GPIO\_LED\_O, CONFIG\_GPIO\_LED\_OFF); driver.

**• What is the UART baud rate?**

The UART baud rate is 115200. This is found directly in the following code:

uart.Params.baudRate = 115200;

**I have included screenshot of my code down below:**

I must be honest, I was not able to get the code to function. I was running into problems when making the UART\_init(); function. I also had errors with the uartParams.writeDataMode, uartParams.readDataMode, and uartParams.readReturnMode. I am unsure as to what caused these errors. Other than that, I believe my code is correct.

A screenshot of a computer

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