

CS-350 Emerging Sys Arch & Tech – Milestone Two

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## Milestone Two Questions

How does the macro `UART_DATA_BINARY` impact the UART?

The documentation from Texas Instruments shows that `UART_DATA_BINARY` macro impacts the UART by passing the data as is without, without processing (*UART.h File Reference*, n.d.).

How does the macro `UART_RETURN_FULL` impact the UART?

According to documentation from Texas Instruments, the macro `UART_RETURN_FULL` impacts the UART when “the read action unblocks or returns when the buffer is full” (*UART.h File Reference*, n.d.).

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

To write you would need to call the “`UART2_write`” driver.

What is the driver call to turn off LED 0?

To turn off the led you would need to call the “`GPIO_write(CONFIG_GPIO_LED_0, CONFIG_GPIO_LED_OFF);`” driver.

What is the UART baud rate?

The UART baud rate is 115200. The statement “`uartParams.baudRate = 115200;`” from the code is what sets the baud rate.

## Reference

*UART.h File Reference.* (n.d.). <https://software->

[dl.ti.com/simplelink/esd/simplelink\\_cc2640r2\\_sdk/2.20.00.49/exports/docs/tidrivers/doxxygen/html/\\_u\\_a\\_r\\_t\\_8h.html](https://software-dl.ti.com/simplelink/esd/simplelink_cc2640r2_sdk/2.20.00.49/exports/docs/tidrivers/doxxygen/html/_u_a_r_t_8h.html)