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**Milestone 2**

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

The ‘UART\_BINARY\_DATA’ macro is used to configure the UART to operate in binary mode. This is where data is transmitted and received in binary format rather than ASCII characters.

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

The ‘UART\_RETURN\_FULL’ macro is used to configure the behavior of the UART driver when the UART buffer becomes full.

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

To write 10 characters out of the UART, you would use the ‘UART\_write()’ function provided by the UART driver. You would pass the UART handle, a pointer to the buffer containing the characters to be written, the number of characters to write (10 in this case), and a pointer to a variable where the number of bytes written will be stored.

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

To turn off LED 0, you would use the ‘GPIO\_write()’ function provided by the GPIO driver. You would pass the GPIO pin configuration corresponding to LED 0 and the desired state (GPIO\_CFG\_OUT\_LOW in this case).

* What is the UART baud rate?

The UART baud rate is configured to 115200 bits per second. This means that data is transmitted and received at a rate of 115200 bits per second over the UART communication channel.