1. “How does the macro UART\_DATA\_BINARY impact the UART?”

The UART\_DATA\_BINARY macro impacts the UART by moving the data around to where it needs. This allows the data to move without processing it.

1. “How does the macro UART\_RETURN\_FULL impact the UART?”

The UART\_RETURN\_FULL macro impacts the UART by enabling the read functionality. This is important for buffering the memory when it is full.

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

The call is UART\_write(UART, &input, 10);.

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

The driver call is GPIO\_write(CONFIG\_GPIO\_LED\_0, CONFIG\_GPIO\_LED\_OFF);.

1. “What is the UART baud rate?”

The band rate is the rate of the data when transmitted and received. This is done in bits per second. In our code, it is 115200bps.