

MCI Lab #1 Report

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Question # 1

HAL_UART_Transmit () is inside the while (1) loop so the message keeps sending again and again. The loop runs forever, so this lets you continuously monitor or debug data. If you put it outside the loop, it will send only once at startup, then stop, so you won't get ongoing updates.

Question # 2

The command screen `/dev/ttyACM0 115200` opens a serial connection to the STM32 through the USB port at 115200 baud so you can view and interact with the data being sent by the microcontroller (like UART messages). If the baud rate doesn't match the value set in STM32CubeMX, the data will appear garbled, unreadable, or not show up at all because the PC and the STM32 are not "talking" at the same speed.

Pictures:

[illegible]



