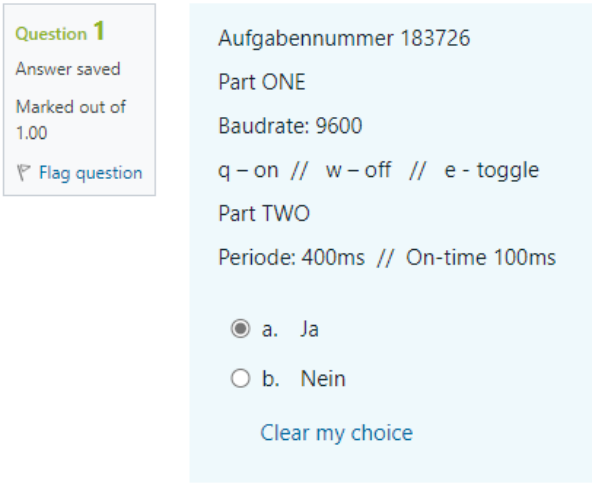
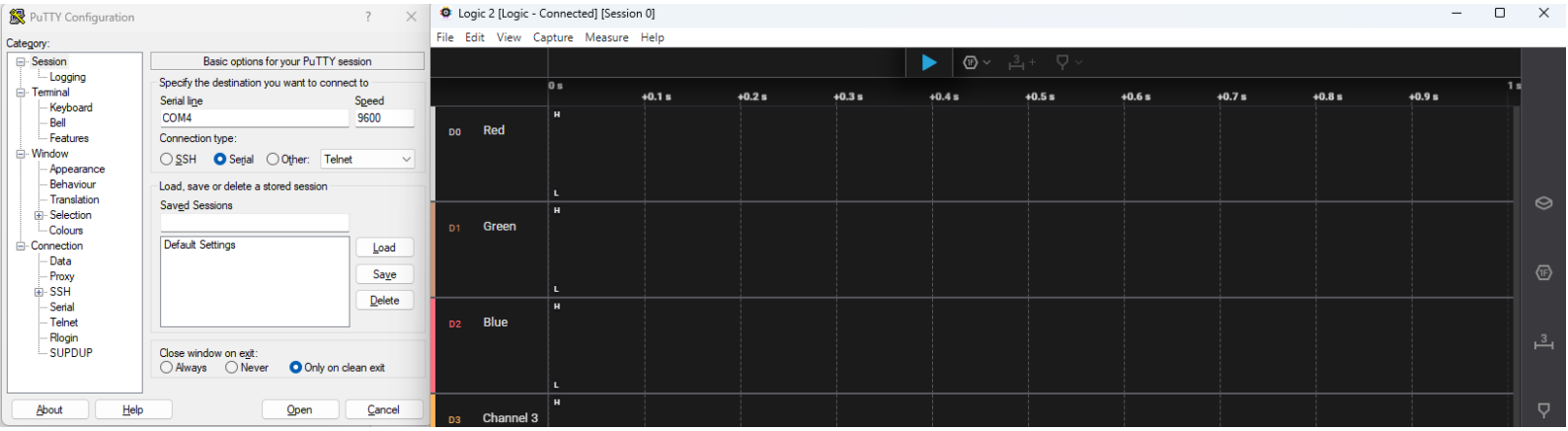
Assignment UART: Jai SINGH ic22b037

Getting Assignment Parameters

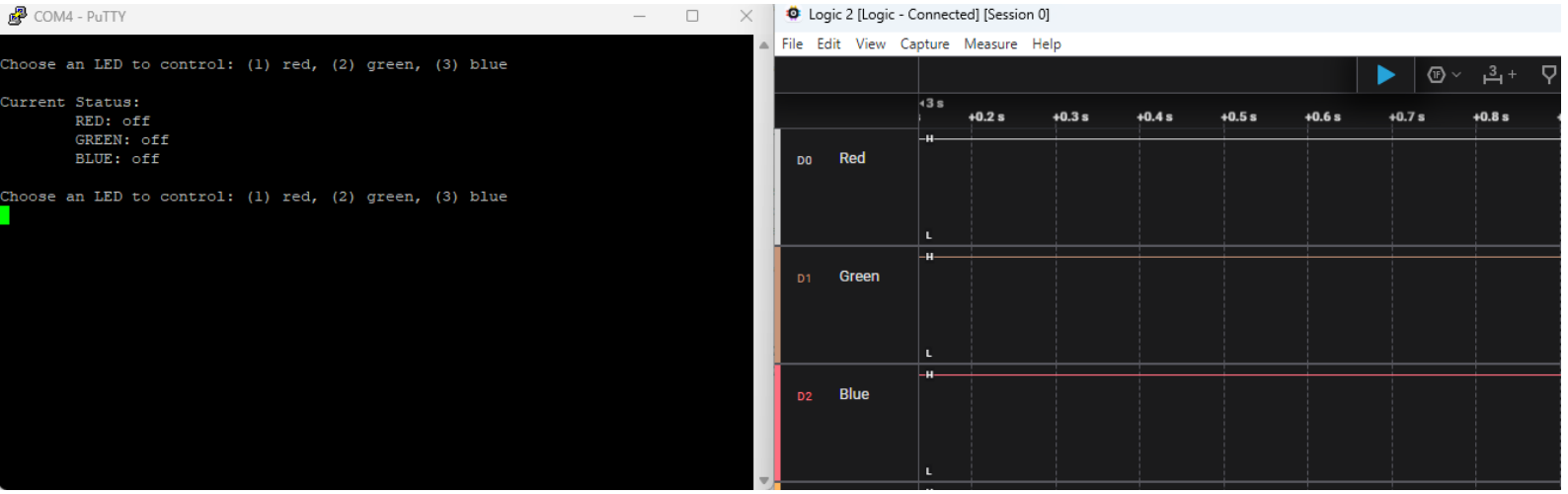


Setting up test environment:

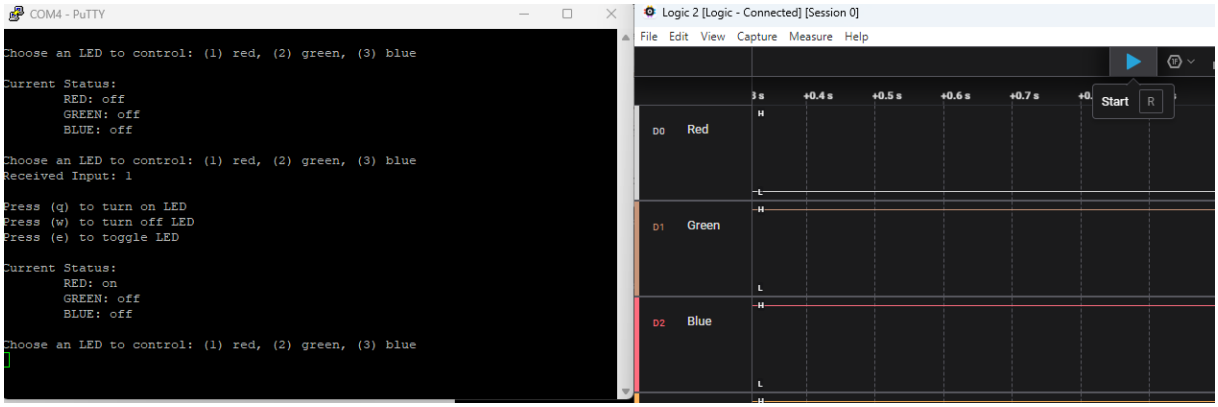


TASK1:

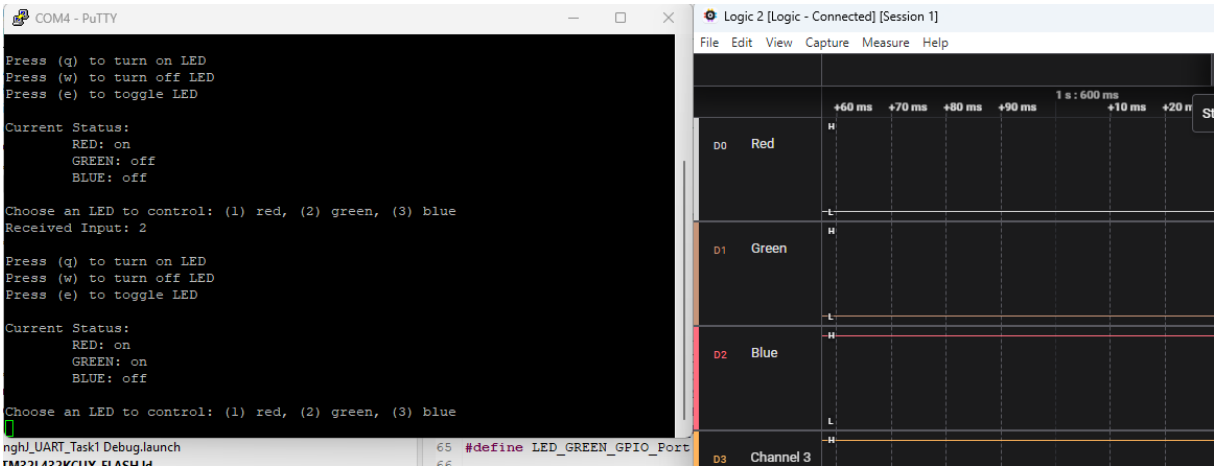
All LEDs turned off at startup:



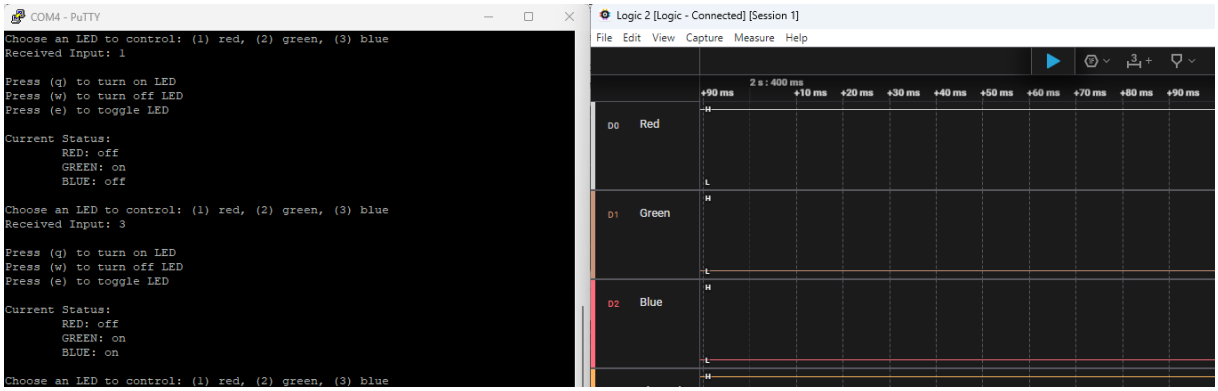
Red LED turned on (q) **(NOTE: Pins stay activated when choosing the next LED, until turned off via Program or resetting controller):**



Toggle (e) Green on as well (Yellow color now):



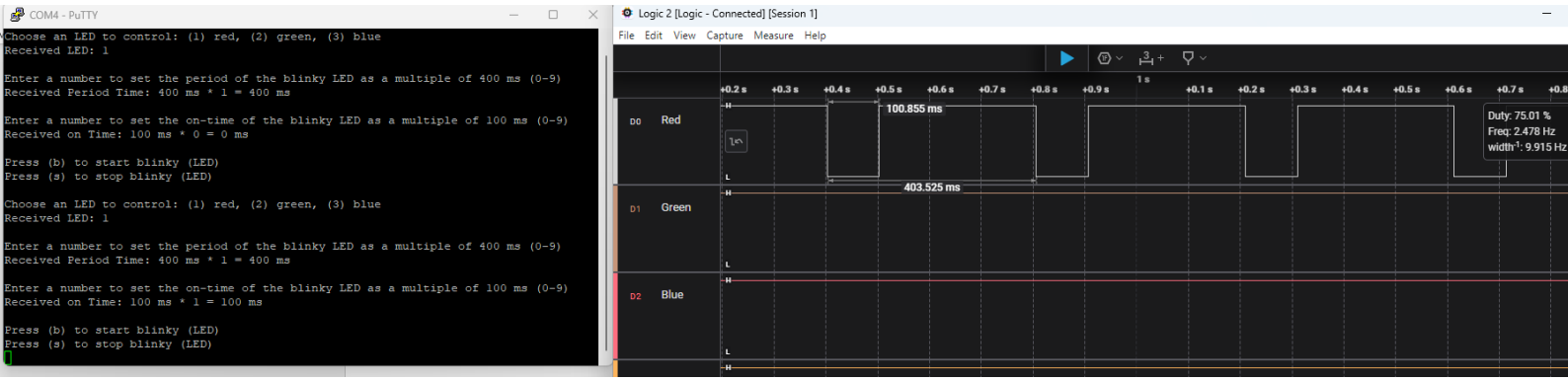
Turning off (w) Red and turning on (q) Blue:



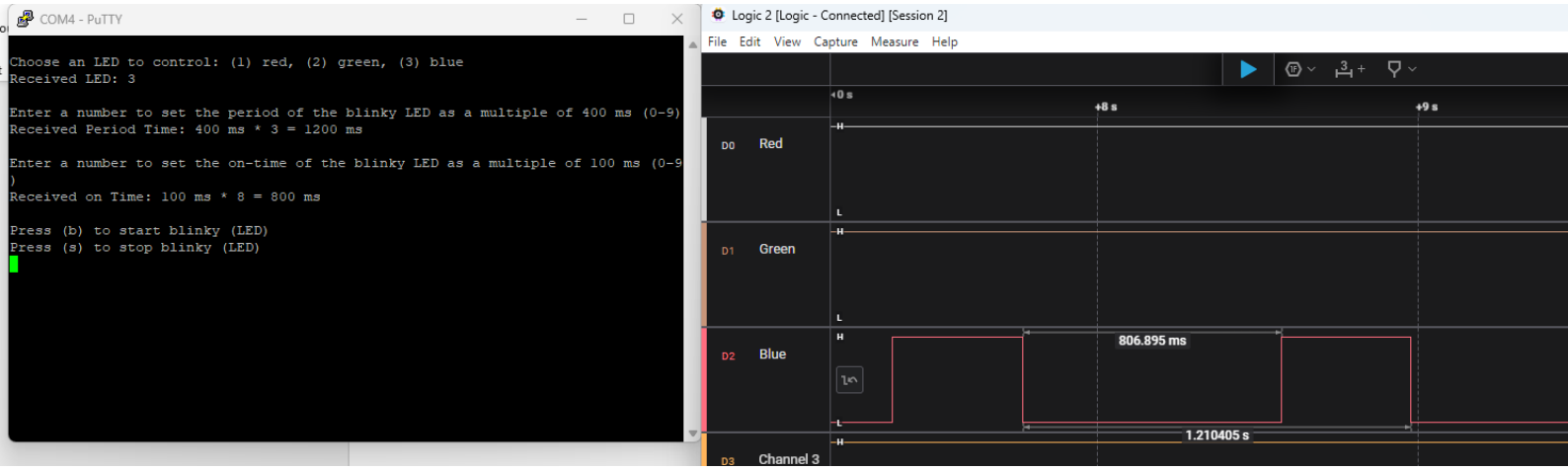
Task 2 on following pages

Task 2

Setting Red LED to blink with period 400ms and 100ms on time (both 1). Starting by pressing (b): (NOTE: Stop blinky simply by pressing (s)):



Restarting controller (necessary to start whole process) and turning on blue blinky with 1200ms period and 800ms on time (3 and 8). Starting by pressing (b):



Errorcatching period < ontime

```
Choose an LED to control: (1) red, (2) green, (3) blue
Received LED: 1

Enter a number to set the period of the blinky LED as a multiple of 400 ms (0-9)
Received Period Time: 400 ms * 1 = 400 ms

Enter a number to set the on-time of the blinky LED as a multiple of 100 ms (0-9
)
Received on Time: 100 ms * 5 = 500 ms

ERROR! The on time is bigger then the whole period.
Please choose other values!
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All letters of the alphabet and other characters are valued 0: