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Part 0:

```
peripherals_init(): Low level startup
WARNING: SD card could not be mounted

I2C slave detected at address: 0x38
I2C slave detected at address: 0x64
I2C slave detected at address: 0x72

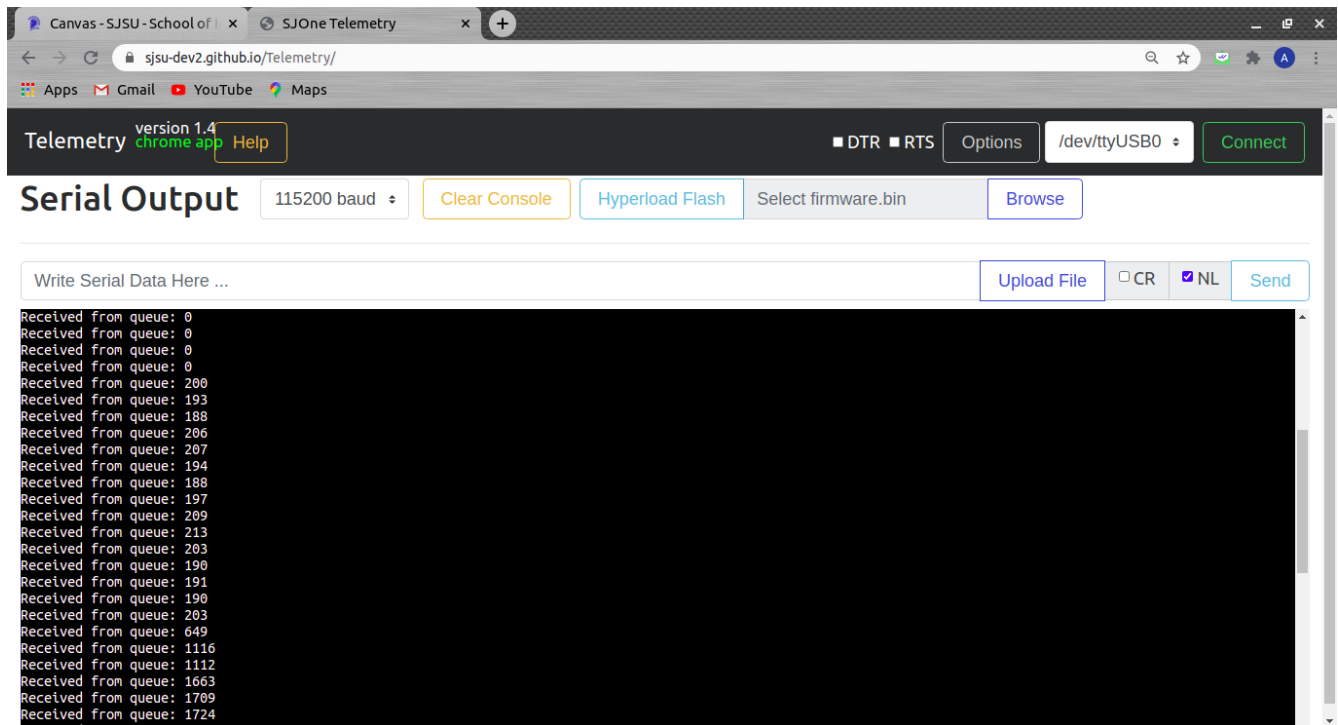
entry_point(): Entering main()

List of commands (use help <name> to get full help if you see ...):
  crash : Deliberately crashes the system to demonstrate how ...
  i2c : i2c read 0xDD 0xRR <n>...
  tasklist : Outputs list of RTOS tasks, CPU and stack usage....
```

Part 1:

```
Output: 0
Output: 0
Output: 0
Output: 1088
Output: 1233
Output: 1227
Output: 1209
Output: 1310
Output: 1688
Output: 1679
Output: 1669
Output: 2440
Output: 2569
Output: 2564
Output: 2564
Output: 2774
Output: 3207
Output: 3179
Output: 3181
Output: 3209
Output: 3595
Output: 4095
Output: 4094
Output: 4095
Output: 4095
Output: 4095
```

Part 2:



The screenshot shows the Telemetry web interface in a browser. The page title is "Telemetry version 1.4 chrome app Help". The interface includes a "Serial Output" section with a baud rate of 115200, a "Clear Console" button, a "Hyperload Flash" button, and a "Select firmware.bin" button with a "Browse" button. Below these is a "Write Serial Data Here ..." input field with "Upload File", "CR", "NL", and "Send" buttons. The main area displays a list of received data from a queue, showing values ranging from 0 to 1724.

Telemetry version 1.4 chrome app Help

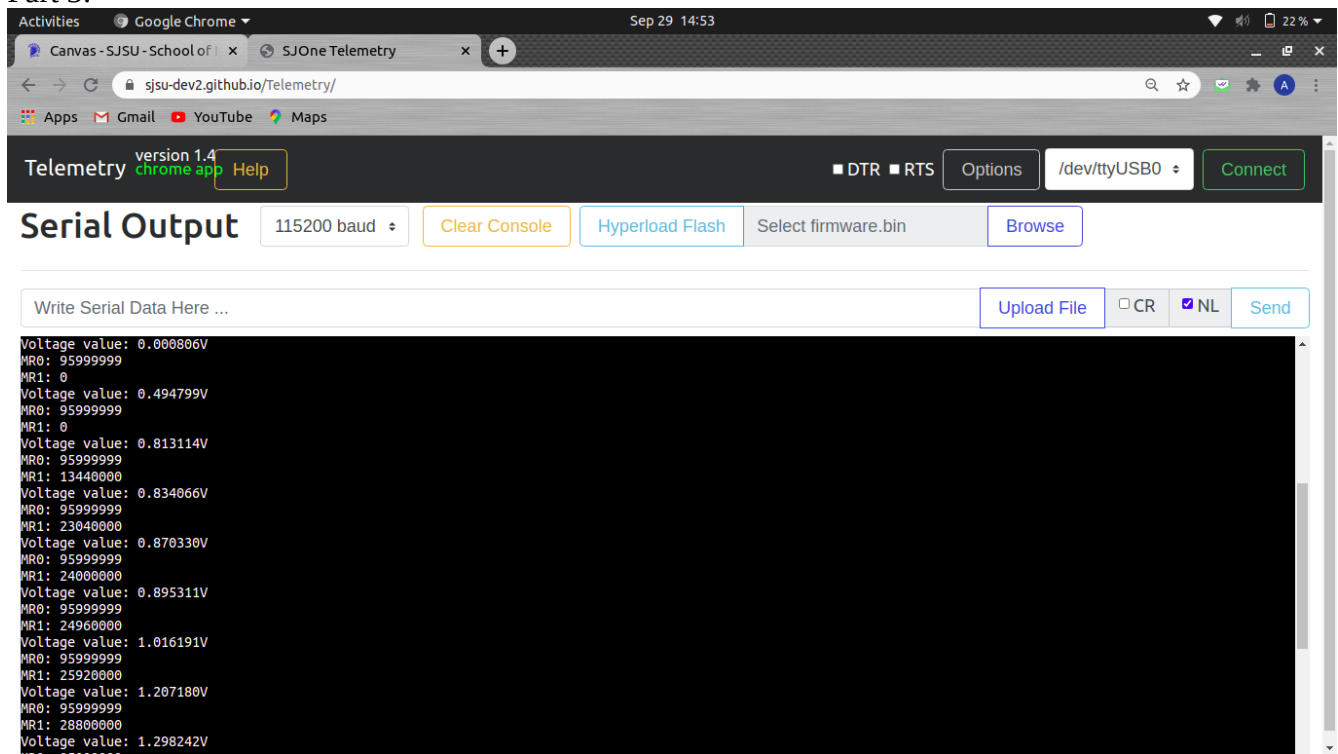
■ DTR ■ RTS Options /dev/ttyUSB0 Connect

Serial Output 115200 baud Clear Console Hyperload Flash Select firmware.bin Browse

Write Serial Data Here ... Upload File CR NL Send

```
Received from queue: 0
Received from queue: 0
Received from queue: 0
Received from queue: 0
Received from queue: 200
Received from queue: 193
Received from queue: 188
Received from queue: 206
Received from queue: 207
Received from queue: 194
Received from queue: 188
Received from queue: 197
Received from queue: 209
Received from queue: 213
Received from queue: 203
Received from queue: 190
Received from queue: 191
Received from queue: 190
Received from queue: 203
Received from queue: 649
Received from queue: 1116
Received from queue: 1112
Received from queue: 1663
Received from queue: 1709
Received from queue: 1724
```

Part 3:



The screenshot shows the Telemetry web interface in a browser. The page title is "Telemetry version 1.4 chrome app Help". The interface includes a "Serial Output" section with a baud rate of 115200, a "Clear Console" button, a "Hyperload Flash" button, and a "Select firmware.bin" button with a "Browse" button. Below these is a "Write Serial Data Here ..." input field with "Upload File", "CR", "NL", and "Send" buttons. The main area displays a list of received data from a queue, showing voltage values ranging from 0.000806V to 1.298242V.

Telemetry version 1.4 chrome app Help

■ DTR ■ RTS Options /dev/ttyUSB0 Connect

Serial Output 115200 baud Clear Console Hyperload Flash Select firmware.bin Browse

Write Serial Data Here ... Upload File CR NL Send

```
Voltage value: 0.000806V
MR0: 95999999
MR1: 0
Voltage value: 0.494799V
MR0: 95999999
MR1: 0
Voltage value: 0.813114V
MR0: 95999999
MR1: 13440000
Voltage value: 0.834066V
MR0: 95999999
MR1: 23040000
Voltage value: 0.870330V
MR0: 95999999
MR1: 24000000
Voltage value: 0.895311V
MR0: 95999999
MR1: 24960000
Voltage value: 1.016191V
MR0: 95999999
MR1: 25920000
Voltage value: 1.207180V
MR0: 95999999
MR1: 28800000
Voltage value: 1.298242V
MR0: 95999999
MR1: 0
```

Part 3 extra credit:

Activities Google Chrome Sep 29 14:57

Canvas - SJSU - School of ... SJOne Telemetry

sjsu-dev2.github.io/Telemetry/

Apps Gmail YouTube Maps

Telemetry version 1.4 chrome app Help

■ DTR ■ RTS Options /dev/ttyUSB0 Connect

Serial Output

115200 baud Clear Console Hyperload Flash Select firmware.bin Browse

Write Serial Data Here ... Upload File ☐ CR ☒ NL Send

```
List of commands (use
help <name> to get full help ifV you see ...):
  croash : Deliberately crashes the system to demonstrlate how ...
  i2ct : i2c read 0xDD 0xRR <n>...
  a      tasklist : Outputs list of RTOS tasks, CPU and stack usage....
-----
Value: 0.000000V
Voltage value: 0.000000V
Voltage value: 0.166007V
Voltage value: 0.660000V
Voltage value: 1.014579V
Voltage value: 1.405421V
Voltage value: 1.720513V
Voltage value: 1.942930V
Voltage value: 2.030769V
Voltage value: 2.141172V
Voltage value: 2.285421V
Voltage value: 2.381319V
Voltage value: 2.415165V
Voltage value: 2.743956V
Voltage value: 3.300000V
Voltage value: 3.298388V
Voltage value: 3.300000V
Voltage value: 3.300000V
Voltage value: 3.300000V
Voltage value: 3.298388V
Voltage value: 3.298388V
Voltage value: 3.298388V
```