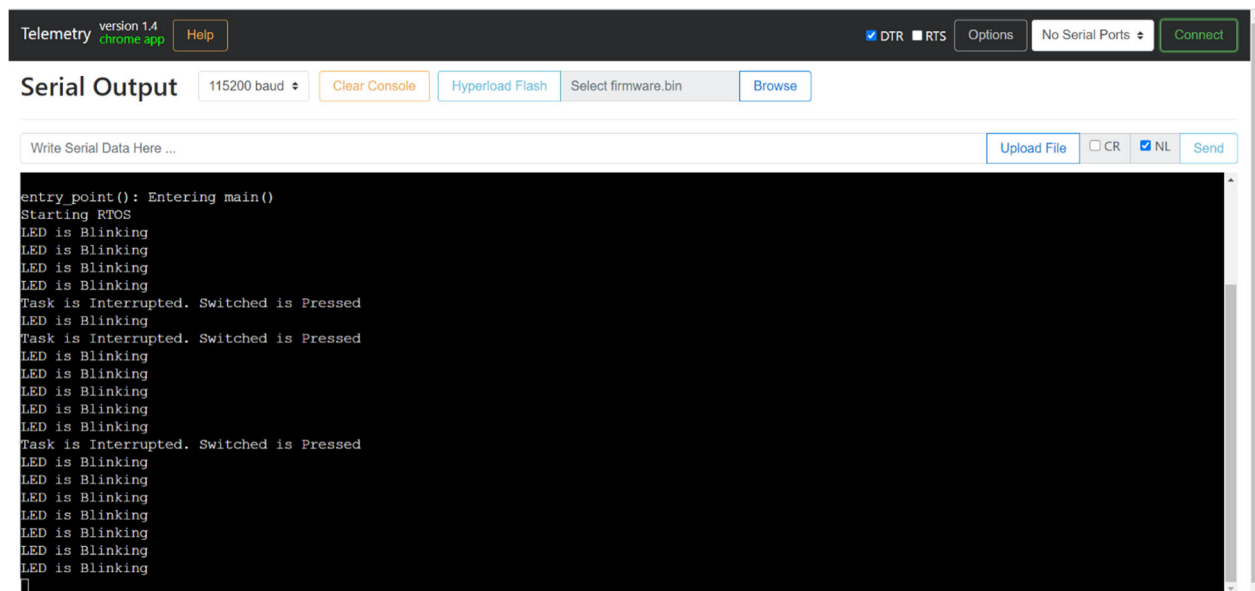


LAB 4: INTERRUPTS

Part 0 & 1:

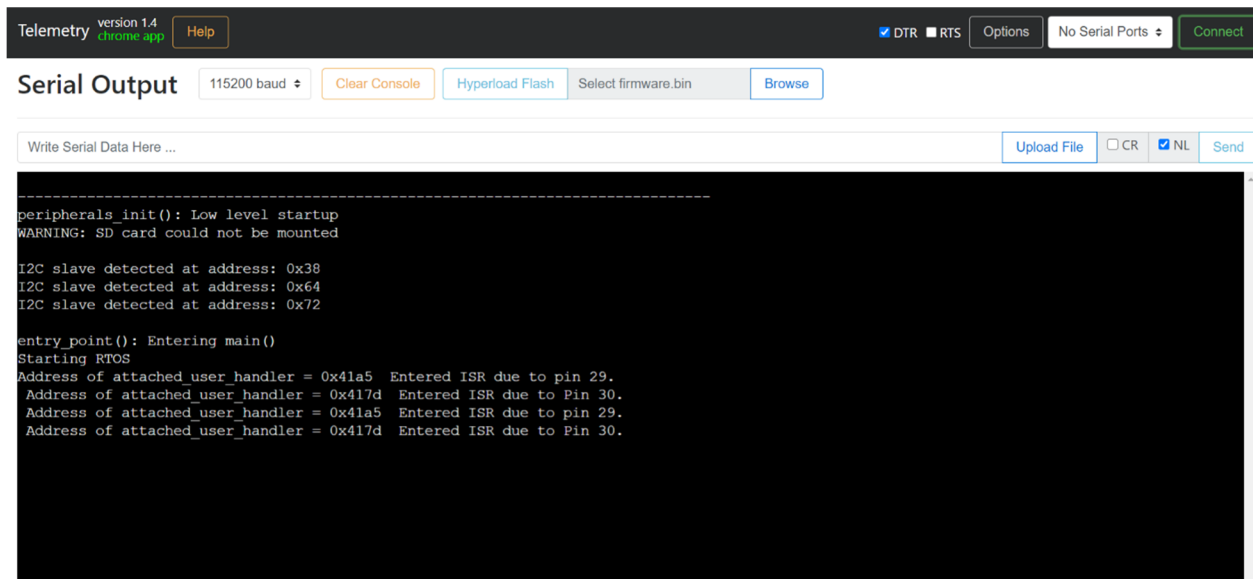
During a normal operation the LED is blinking with a delay 100ms. When switch is pressed an interrupt is generated and prints the following:

Task is Interrupted. Switched is Pressed



Part 2:

During a normal operation the LED is on. When switch is pressed an interrupt is generated and prints the details of the switch pressed and the interrupt handler address. For instance if switch 29 is pressed then it prints the address and informs that switch 29 is pressed.



The screenshot shows the Telemetry version 1.4 Chrome app interface. At the top, there's a header bar with 'Telemetry version 1.4 chrome app' and a 'Help' button. To the right, there are checkboxes for 'DTR' and 'RTS', an 'Options' button, a 'No Serial Ports' dropdown, and a 'Connect' button. Below the header, there's a 'Serial Output' section with a baud rate dropdown set to '115200 baud', buttons for 'Clear Console', 'Hyperload Flash', and 'Select firmware.bin', and a 'Browse' button. Below this, there's a text input field 'Write Serial Data Here ...' with 'Upload File', 'CR', 'NL' (checked), and 'Send' buttons. The main area is a black console displaying the following text:

```
-----  
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()  
Starting RTOS  
Address of attached_user_handler = 0x41a5 Entered ISR due to pin 29.  
Address of attached_user_handler = 0x417d Entered ISR due to Pin 30.  
Address of attached_user_handler = 0x41a5 Entered ISR due to pin 29.  
Address of attached_user_handler = 0x417d Entered ISR due to Pin 30.
```