Pseudocode for Lab 3 Part1

Set global ledperiod to 5

Code for UART Config (from Lab 2 part 1)

Code for debounce function from class

In the main()

Code to initialize UART and display initial value of ledperiod on terminal (from Lab 2 Part1)

GPIO code to set up S1 and REDLED2

DO WHILE

Look for S1 pressed

Call debounce

Decrement ledperiod

If ledperiod=0 reset it to initial value

Display ledperiod on terminal

Toggle LED2 On and Off with delay a suitable multiple of ledperiod

END WHILE

Note: UART IRQHandler not needed; omit the relevant code