Pseudo Code for Lab 3_1

compiler directives
declare global variables
function prototypes
main function
    declare local variables
    initialize system, ports and PCA
    begin infinite loop
        calibrate motor speed
    end infinite loop
end main function

calibrate motor speed

declare local variables

wait for key stroke

if 'f', increase motor_pw by 10

    if pw > max value, limit it to max value

else if 'r', decrease motor_pw by 10

    if pw < min value, limit it to min value

else if another letter, give a reminder

update speed command

print motor_pw

update speed command

update lo byte of CCModule 1

update hi byte of CCModule 1

Interrupt subroutine

If PCA interrupt flag is set

    write lo byte of start_count in PCA0

    write hi byte of start_count in PCA0

    clear interrupt flag

else

    handle other PCA interrupts