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from Adafruit_PWM_Servo_Driver import PWM
import time

pwm = PWM(0x40)

#1100us ~> 272 Full Power Reverse
#1500us ~> 387 Stopped
#1900us ~> 502 Full Power Forward

signal = 387
signalDir = 1
looping = True
logic = False

pwm.setPWMFreq(int(60 * 0.9))

pwm.setPWM(0, 0, 387)
time.sleep(3)
print("ESC Initialized")

try:
    while (looping):
        if (signal == 502):
            signalDir = -1
        if (signal == 272):
            signalDir = 1
            logic = True
        if (signal == 387 and logic == True):
            looping = False

        pwm.setPWM(0, 0, signal)
        time.sleep(0.2)

        #print(signal)

        signal += signalDir

except KeyboardInterrupt:
    print("User Cancelled ")

finally:
    pwm.setPWM(0, 0, 0)
    quit()

```