



'Taget Atmega8
'12MHz Crystal.

program M8_PWM

' Declarations section
dim duty as byte
dim i as integer

main:
' Main program

duty = 255 'set initial duty, the duty we req for driving the load
DDB3_bit = 1 'set PB3 to PWM mode. This is fixed for Mega8. Only OC2 works.

delay_ms(2000) '1 second halt
'PWM2 because PWM is not available for mega8 and PWM2 gives true on OC2
PWM2_init(_PWM2_FAST_MODE, _PWM2_PRESCALER_1024, _PWM2_NON_INVERTED, 0)
'glow slowly initially to desired
for i = 0 to duty step 1
 PWM2_Set_Duty(i)
 delay_ms(50)
next i
'next is the infinite loop for running the LED
while TRUE
 PWM2_Set_Duty(duty)
wend

end.