#include<p18f4520.h>

#pragma config OSC=HS

#pragma config PWRT=OFF

#pragma config WDT=OFF

#pragma config DEBUG=OFF, LVP=OFF

void main(void)

{

TRISC=0x00; ///RC2 pin as PWM output pin

PR2=249; ////PR2=(Fosc/4xNxFpwm)

CCPR1L=189; //25% Duty cycle

T2CON=0X01; ///Prescaler=4

CCP1CON=0X1C;///PWM mode, DCB1:DCB0=0.75 Decimal points

TMR2=0x00;

T2CONbits.TMR2ON=1; //start timer 2

while(1) ///forever loop

{

PIR1bits.TMR2IF=0; //Clear interrupt flag

while(PIR1bits.TMR2IF==0); ///monitor TMR2 interrupt flag

}

}