```
#include <avr/io.h>
#include "servo.h"
// Motor Control Functions -- pwm is an 16-bit value
void move_servol(uint16_t angle)
    //Map the degree angle to the compare match register
    OCR1A = (310 - 110) * angle / 150 + 110;
}
void move_servo2(uint16_t angle)
    //Map the degree angle to the compare match register
    OCR1B = (310 - 110) * angle / 150 + 110;
// Motor Initialization routine -- this function must be called
// before you use any of the above functions
void servo_init()
    //Configure TIMER1
    TCCR1A = (1 < COM1A1) | (1 < COM1B1) | (1 < WGM11); // | (0 < CS12) | (1 < CS11) | (1 < CS10);
                                                                                             //NON Inve
rted PWM
    //TCCR1B|=(1<<WGM13)|(1<<WGM12)|(1<<CS11)|(1<<CS10); //PRESCALER=64 MODE 14(FAST PWM)
    //ICR1=312; //fPWM=50Hz (Period = 20ms Standard).
    TCCR1B | = (1 < WGM13) | (1 < WGM12) | (0 < CS12) | (1 < CS11) | (1 < CS10); //PRESCALER = 8 MODE 14 (FAST PWM)
    ICR1=2499; //fPWM=50Hz (Period = 20ms Standard).
    // set PWM pins as digital outputs (the PWM signals will not
    // appear on the lines if they are digital inputs)
    DDRD |= (1 << PORTD5) | (1<<PORTD4);</pre>
}
```