void main()

{ short duty1 = 180; //Initial value for duty

TRISD = 0xFF; //PORTD as input

TRISC = 0x00; //PORTC as output

TRISB = 0x00; //PORTB as output

TRISA = 0x00; //PORTA as output

PWM1\_Init(1000); //Initialize PWM1

PWM1\_Start(); //start PWM1

PWM1\_Set\_Duty(duty1); //Set current duty for PWM1

while (1) //Endless loop

{

if (PORTD.F2==1)

{ PORTB = 0x00; //Stop the motor

}

if (PORTD.F2==0)

{ PORTB = 0x01; //Run motor in clockwise

}

if (PORTD.F3==1)

{ PORTA = 0x00; //Stop the motor

}

if (PORTD.F3==0)

{ PORTA = 0x01; //Run motor in clockwise

}

} }