```
#include <16F818.h>
#device adc=8

#FUSES NOWDT                    //No Watch Dog Timer
#FUSES HS                       //High speed Osc (> 4mhz for PCM/PCH) (>10mhz for PCD)
#FUSES NOPUT                    //No Power Up Timer
#FUSES MCLR                     //Master Clear pin enabled
#FUSES NOBROWNOUT               //No brownout reset
#FUSES NOLVP                    //No low voltage prgming, B3(PIC16) or B5(PIC18) used for I/O
#FUSES NOCPD                    //No EE protection
#FUSES NOWRT                    //Program memory not write protected
#FUSES NODEBUG                  //No Debug mode for ICD
#FUSES NOPROTECT                //Code not protected from reading

#use delay(clock=20000000)
#use rs232(baud=9600,parity=N,xmit=PIN_A3,rcv=PIN_A2,bits=8)
#priority  RTCC,EXT,CCP1

#include "table3.c"    ตารางบรรจุค่า  BTC
int8 trisa;    กำหนดให้ port a   bita0 และ bita1 เป็น output
#locate trisa = 0x085
#bit    trisa0 = trisa.0
#bit    trisa1 = trisa.1
int8 porta;
#locate porta =0x005
#bit a0 = porta.0
#bit a1 = porta.1
```

```
void trig1(void);
int8 t2_int;
int16 td,td1;
int16 td2;
int32 count_t1,tx;
int1 flg_int0,FLG_CCP1;
int1 flg_low;



#int_EXT
void  EXT_isr(void)
{
  trig1();

}

#int_CCP1
void  CCP1_isr(void)
{
  FLG_CCP1=1;

}
```

```
void main()
{
  setup_timer_1(T1_EXTERNAL|T1_DIV_BY_2);
  setup_ccp1(CCP_CAPTURE_RE);
  enable_interrupts(INT_EXT);
  ext_int_edge( L_TO_H );
  enable_interrupts(INT_CCP1);
  enable_interrupts(GLOBAL);
  FLG_CCP1=0;flg_low=0;
  flg_int0=0; trisa1=trisa0=0;กำหนดให้ port a   bita0 และ bita1 เป็น output
 a1=0;a0=0;//td2=20000;
  t2_int=0;
  t2_int=0;

while(true)
{
}
}
```