Rotina:processosIndependentes.c

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//#include "C:\Alberto\IFMT 2023-II\Microcontroladores\Projetos CCS 2023
II\Timer0B\timer0B.h"
#include <16F877A.h>
#device adc=8

#FUSES NOWDT                    //No Watch Dog Timer
#FUSES XT                       //Crystal osc <= 4mhz for PCM/PCH , 3mhz to 10 mhz for
PCD
#FUSES NOPUT                    //No Power Up Timer
#FUSES NOPROTECT                //Code not protected from reading
#FUSES NODEBUG                  //No Debug mode for ICD
#FUSES BROWNOUT                 //Reset when brownout detected
#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 RESERVED                 //Used to set the reserved FUSE bits

#use delay(clock=4000000)

unsigned int cont_t0=0,cont_t1=0;


#int_RTCC
void  RTCC_isr(void)
{
 set_timer0(6);
 if(++cont_t0>=10){
   cont_t0=0;
   output_toggle(PIN_D0);
 }
}

#int_TIMER1
void  TIMER1_isr(void)
{
  set_timer0(15536);
  if(++cont_t1>=2){
   cont_t1=0;
   output_toggle(PIN_D1);
  }
}


void main()
{
   setup_adc_ports(NO_ANALOGS);
   setup_adc(ADC_CLOCK_DIV_2);
   setup_psp(PSP_DISABLED);
   setup_spi(SPI_SS_DISABLED);
   setup_timer_0(RTCC_INTERNAL|RTCC_DIV_1);
   setup_timer_1(T1_INTERNAL|T1_DIV_BY_1);
   setup_timer_2(T2_DISABLED,0,1);
   setup_comparator(NC_NC_NC_NC);
   setup_vref(FALSE);
   enable_interrupts(INT_RTCC);
   enable_interrupts(INT_TIMER1);
   enable_interrupts(GLOBAL);

   while(true){
   }
}
```