

intrpt3.txt

'PICMB876 microcomputer board 3 Layer INTERRUPT sample Program.

'Program Name intrpt3.BAS
'CopyRights (C)2003,Japan Tech.Hanzougane Yoshiaki Morohashi All Rights Reserved.
'Date 2003.07.27
'Language microEngineering Labs,Inc. PICBasic Pro Compiler

'Target Device PIC18F452 on PICMB876(PIC microcomputer board)
'Remarks PIC18Fxxx 3 Layer Interrupt

'Input PORTB.0(INT0)
' PORTB.1(INT1)
' PORTB.2(INT2)
'OUTPUT PORTD.0(INT0) Chip LED on/off(on PICMB876)
' PORTD.1(INT1) Chip LED on/off(on PICMB876)
' PORTD.2(INT2) Chip LED on/off(on PICMB876)

'PORT definition

INPUT PORTB.0 'INT0 input
INPUT PORTB.1 'INT1 input
INPUT PORTB.2 'INT2 input

OUTPUT PORTD.0 'Interrupt INT0 occur,LED blink
OUTPUT PORTD.1 'Interrupt INT1 occur,LED blink
OUTPUT PORTD.2 'Interrupt INT2 occur,LED blink

GOTO start

start: ON INTERRUPT GOTO myint0

INTCON = %10010000
INTCON2 = %11110000 'INTCON2 (PIC18Fxxx Only)
INTCON3 = %00011000 'INTCON3 (PIC18Fxxx Only)
RCON = %00011111 'RCON (PIC18Fxxx Only)

loop: 'Free Routine

Do it forever

GOTO loop

DISABLE

myint0: 'Interrupt Select
IF INTCON3.0 = 1 Then GOTO myint1 'Interrupt INT1 ?
IF INTCON3.1 = 1 Then GOTO myint2 'Interrupt INT2 ? Other INTO
PORTD.0 = 1
PAUSE 1000
PORTD.0 = 0
PAUSE 500
PORTD.0 = 1
PAUSE 1000
PORTD.0 = 0
PAUSE 500
INTCON.1 = 0
RESUME

myint1: PORTD.1 = 1
PAUSE 1000
PORTD.1 = 0
PAUSE 500

intrpt3.txt

```
PORTD.1 = 1  
PAUSE 1000  
PORTD.1 = 0  
PAUSE 500  
INTCON3.0 = 0  
RESUME
```

```
myint2: PORTD.2 = 1  
PAUSE 1000  
PORTD.2 = 0  
PAUSE 500  
PORTD.2 = 1  
PAUSE 1000  
PORTD.2 = 0  
PAUSE 500  
INTCON3.1 = 0  
RESUME  
  
ENABLE
```