

'-----Title-----

' File.....flicker3.pbp  
' Started....4/13/06  
' Microcontroller used: Microchip Technology 16F88  
' microchip.com  
' PBPro Code, micro-Engineering Labs, Inc.  
' melabs.com

'-----Program Description-----

' Turns one LED on and off 5 times.

'----New PicBasic Pro Commands-----

' FOR...NEXT  
' FOR variable = start NEXT end STEP increment  
' (PicBasic routine)  
' NEXT  
' If no STEP is given, the increment is automatically +1.

'-----Revision History-----

'-----Constants/Defines-----

'-----Variables-----

c0 **VAR BYTE** 'Variable for counting

'-----Initialization-----

PORTB = %00000000 'Sets all PORTB pins to low  
TRISB = %00000000 'Sets up pins B0-B7 of PORTB as outputs  
OSCCON = \$60 'Sets the internal oscillator in the  
'16F88 to 4 MHz

'-----Pin List for 18 Pin Microcontrollers-----

Pin	PORT/Pin
0	PORTB.0
1	PORTB.1
2	PORTB.2
3	PORTB.3
4	PORTB.4
5	PORTB.5
6	PORTB.6
7	PORTB.7

```
'      8      PORTA.0
'      9      PORTA.1
'     10      PORTA.2
'     11      PORTA.3
'     12      PORTA.4
'     13      PORTA.5
'     14      PORTA.6
'     15      PORTA.7
```

```
'-----Main Code-----
```

```
FOR c0 = 1 TO 5      'Loop through count 5 times
                    'Since STEP is not given, the
                    'increment is automatically +1.

HIGH 0              'Turns on LED connected to PORTB.0

PAUSE 500           'Holds LED on for 500 milli-seconds

LOW 0               'Turns off LED connected to PORTB.0

PAUSE 500           'Holds LED off for 500 milli-seconds

NEXT                'Goes to next c0

END
```