```
'--------Title--------

' File......blink3.pbp
' Started....4/13/06
' Microcontroller used:  Microchip Technology 16F88
'                        microchip.com
' PicBasic Pro Code, micro-Engineering Labs, Inc.
'             melabs.com

'--------Program Desciption--------

' Turns one LED on and off 5 times.

'----------Related Lesson----------

' blink3.pbp is used in the lesson PIC PROGRAMMING 2 at:
' http://cornerstonerobotics.
org/curriculum/lessons_year2/erii12_pic_programming2.pdf

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

' The PicBasic Pro Compiler Manual is on line at:
' http://www.microengineeringlabs.com/resources/index.htm#Manuals
'
'   FOR Count = Start TO End {STEP {-} Inc}
'       {Body}
'   NEXT {Count}
' If no STEP is given, the increment is automatically +1.
' Look around page 70 in the PicBasic Pro Compiler Manual

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

' 10/27/07:  Change MCU from 16F84A to 16F88

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

    c0 VAR BYTE     'Variable for counting

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

    PORTB = %00000000   'Sets all PORTB pins to LOW

    TRISB = %00000000   'Sets up pins RB7-RB0 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
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'          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       Not Used
'          14       Not Used
'          15       Not Used

'--------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(RB0)

    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
```