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

' File......master_slave_slave1.pbp
' Started....11/17/07
' Microcontroller used:  Microchip Technology 16F88
'                        microchip.com
' PBPro Code, micro-Engineering Labs, Inc.
'             melabs.com

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

' Receives timing signal from the master
' microcontroller (MCU) which triggers this slave MCU
' to start its program.

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

' master_slave_slave1.pbp is used in the
' lesson PIC PROGRAMMING 3 SERVOS at:
' http://cornerstonerobotics.
org/curriculum/lessons_year2/erii13_pic_programming3_servos.pdf

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

    c0          VAR         BYTE        ' Byte for counter
    led         VAR         PORTB.0     ' Labels PORTB.0 as led
    masterin    VAR         PORTB.1     ' Labels PORTB.1 as master input

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

    TRISB = %11111110           ' Sets PORTB.0 as output,
                                ' PORTB.1 - PORTB.7 as inputs

    PORTB = %00000000           ' Sets all PORTB pins at LOW

    OSCCON = $60                ' Sets the internal oscillator in the
                                ' 16F88 to 4 MHz

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

loop:

    IF masterin = 1 THEN blink  ' If the input pin masterin (PORTB.1)
                                ' receives a HIGH signal from the
                                ' master MCU, then this program will
                                ' jump to blink label.  If the input
                                ' pin remains LOW, this program
                                ' will continue to loop, monitoring
                                ' the masterin pin.

    GOTO loop                   ' Loop to loop label

blink:                          ' blink label

    HIGH led                    ' Sets led (PORTB.0) to HIGH
```

```
PAUSE 500              ' Pause 500 ms
LOW led                ' Sets led (PORTB.0) to LOW
PAUSE  500             ' Pause 500 ms
GOTO loop              ' Loop to loop label
END
```