

Quiz 12 – ECGR 4101/5101 – 11/17/2008 Name _____

Write descriptive comments below where you see the // comment designators. Also name the function below.

```
#define TIME_CONFIG 0x01 /* 00000001 val to load into timer mode reg
    | | | | | | | | _ TMODE0, TMODE1: EVENT COUNTER MODE
    | | | | | | ____ MR0: NO PULSE OUTPUT
    | | | | | ____ MR1: COUNT FALLING EDGES
    | | | | ____ MR2: USE UP/DOWN FLAG
    | | | ____ MR3: = 0 IN EVENT COUNTER MODE
    | | ____ TCK0: RELOAD TYPE
    | ____ TCK1: BIT NOT USED */

#define CNTR_IPL 0x03 //
#define LED p7_2
#define LED_PORT_DIRECTION pd7_2

//
//
void init() {
    ta2 = 100; //
    _asm (" fclr i" ); //
    ta2ic |= CNTR_IPL; //
    ta2mr = TIME_CONFIG;
    _asm (" fset i" );
    ta2s = 1; //
}

//
//
#pragma INTERRUPT /B _____
void _____(void) {
    int delaycntr;
    delaycntr = 0;
    count++; //
    LED = 1;
    while( delaycntr <0xffff) //
        delaycntr++;
    LED = 0;
}

//
//
void main (void) {
    int temp;
    count = 0;
    LED_PORT_DIRECTION = OUTPUT;
    init();
    while (1);
}
```