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COE241 HW3
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Code:
#include <p24fj128ga010.h>
#include"config.h"
int main(void)
 TRISA=0xFF88; //RA0-2 and RA4-6 will be set as output
 TRISD= 0x2020; //RD6 and RD13 is set as input
  while (1)
 if(PORTDbits.RD13==0){ //if conditions for normal mode is satisfied
   PORTA=0x0011; //set RA0 AND RA4 ON
   Delay(1000);
   PORTA=0X0041; //set RA6 AND RA0 ON
   int i;
   for(i=1; i<=8; i++){
   Delay(1000); // time delay for 8 sec
   }
   PORTA=0x0021; //set RA5 AND RA0 ON
   for( i=1; i<=4; i++){
   Delay(1000); //time delay for 4secs
   }
   PORTA=0x0011; //set RA0 AND RA4 ON
   Delay(1000);
   PORTA=0x0014; //set RA2 AND RA4 ON
   for( i=1; i<=8; i++){
   Delay(1000); //time delay 8 seconds
   PORTA=0x0012; //set RA1 AND RA4 ON
   for(i=1; i<=4; i++){
   Delay(1000); //time delay 4 seconds
   }
 }
 else { //conditions for flashing mode
 PORTA=0x0000; //all off
 Delay(1000); //one second delay
```

```
PORTA=0x0041; //RA6 and RA0 on
    Delay(1000); }
}
   return 0;
Screenshots:
Normal Mode:
                                                                                       D2
LED-YELLOW
        R35
470R
                                   R37
470R
                                                    R38
470R
                                                                                      R41
470R
                                                                                                        R42
470R
                                                             R39
                                                                      R40
                    D6
LED-GREEN
                                                                                       D2
LED-YELLOW
                                                                                                         D8
                                   R37
470R
                                                   R38
470R
                                                                      R40
470R
                                                                                      R41
470R
                                                                                                        R42
470R
        R35
470R
                                                             R39
                   R36
                                                                                       D2
LED-YELLOW
```

₹ R39 470R R40 470R

R41

R42

R38 470R

R35 470R R36 470R R37 470R

## Flashing Mode:

