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 \* GccApplication5.c  
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//program 3  
#include <avr/io.h>  
//#include <avr/interrupt.h>  
#define LED\_ON PORTC |= (1<<PORTC5);  //turn on  
#define LED\_OFF PORTC &= ~(1<<PORTC5);  //turn off  
#define LED\_TOGGLE PORTC ^= (1<<PORTC5); //LED\_TOGGLE  
int main(void){  
PORTD |= (0b00001000);  //enables pull up resistor  
DDRC = 0xff; //makes all the bits in the register to input mode  
TCCR1A = 0b00000000;  
TCCR1B |= (1<<CS11); //prescaled clock 1/clk  
uint16\_t target=0x61A8;  
while(1){  
   
  if (TCNT1 == target){ // every 100 ms   
   PORTC ^= (1<<PORTC5);  
   TCNT1=0b0;   
  }  
    
 }  
 return(0);  
}