Timer Programming

```
#include<avr/io.h>
#include<util/delay.h>
#include<avr/interrupt.h>
#define SET(port,bit) port|=(1<<bit)</pre>
#define CLR(port,bit) port&=~(1<<bit)
#define TOGGLE(PORT,BIT) PORT^=(1<<BIT)
int count=0;
void timer0_init()
{
 CLR(TCCR0A,WGM00);
 CLR(TCCR0A,WGM01);
 CLR(TCCR0B,WGM02);
TCNT0=0X00;
SET(SREG,7);
SET(TIMSK0,TOIE0);
}
void enable_timer()
{
 SET(TCCROB,CS00);
 CLR(TCCR0B,CS01);
SET(TCCR0B,CS02);
}
```

int main()

```
{
 DDRB|=(1<<PB5);
timer0_init();
enable_timer();
while(1)
{
  if(count==62)
 {
  TOGGLE(PORTB,PB5);
  count=0;
 }
}
}
ISR(TIMERO_OVF_vect)
{
count++;
}
```