Init Interrupt 2

#define LED\_PIN 9

unsigned int toggle = 0;

unsigned int count = 0;

void setup()

{

// Init

Serial.begin(9600);

pinMode(LED\_PIN,OUTPUT);

// Init Timer2

TCCR2B = 0x00; //Disbale Timer2 while we set it up

TCNT2 = 130; //Reset Timer Count to 130 out of 255

TIFR2 = 0x00; //Timer2 INT Flag Reg: Clear Timer Overflow Flag

TIMSK2 = 0x01; //Timer2 INT Reg: Timer2 Overflow Interrupt Enable

TCCR2A = 0x00; //Timer2 Control Reg A: Wave Gen Mode normal

TCCR2B = 0x05;

}

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\* loop

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void loop()

{

if( toggle == 1)

{

toggle = 0;

Serial.println("Hello");

}

}

ISR(TIMER2\_OVF\_vect) {

count++; //Increments the interrupt counter

if(count > 2999){

toggle = 1;

count = 0; //Resets the interrupt counter

}

TCNT2 = 130; //Reset Timer to 130 out of 255

TIFR2 = 0x00;

};