// Assignment no-7

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/\*PROBLEM STATEMENT:-

7. Write an Embedded C program for Timer programming ISR based buzzer on/off.

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//Source Code:-

# include<xc.h>

#include<pic18f4550.h>

unsigned int count=0;

void Timer1ISR(){

if(TMR1IF==1)

{

TMR1L=0x20;

TMR1H=0xD1;

count++;

if(count>=1000)

{

Buzzer=~Buzzer;

count=0;

}

TMR1IF=0;

}

}

void main(void)

{

TRISB=0;

TRISAbits.TRISA5=0;

GIE=1;

PEIE=1;

TMR1IE=1;

TMR1IF=0;

T1CON=0x80;

TMR1L=0x20;

TMR1H=0xD1;

TMR1ON=1;

while(1);

return;

}