Assignment 7

```c
#include <xc.h>
#include<pic18f4550.h>
#define Buzzer LATAbits.LATA5 //define buzzer pin

unsigned int count=0;
void Timer1ISR(){
if(TMR1IF==1){
TMR1L=0x20;
TMR1H=0xD1;
count++;
if(count>=1000){ //measure upto 1000 ms i.e. 1 seconds
Buzzer=~Buzzer; //Toggle buzzer pin
count=0;
}
TMR1IF=0;
}
}
void main(void) {
TRISB=0; //set as output
TRISAbits.TRISA5=0; //set buzzer pin as RA5 as output
GIE=1;
PEIE=1;
TMR1IE=1;
TMR1IF=0;
T1CON=0x80;
TMR1L=0x20;
TMR1H=0xD1;
TMR1ON=1;
while(1);
return;
}
```