```
#include <pic18f4550.h>                 /* Contains PIC18F4550 specifications */

#define Buzzer LATAbits.LATA5                   /* Define buzzer pin */
unsigned int count = 0;

void interrupt Timer1_ISR()
{
   if(TMR1IF==1)
   {
   //TMR1=0xCF2C;
   TMR1L = 0x20;
   TMR1H = 0xD1;
   count ++;

   if (count >= 1000) //measure upto 1000 ms i.e. 1 seconds
   {
      Buzzer = ~Buzzer;         /* Toggle buzzer pin  */
      count = 0;  //reset count
   }
   TMR1IF = 0; //timer1 overflow flag to 0
   }
}


void main()
{
   TRISB=0;                         /* Set as output port */
   TRISAbits.TRISA5 = 0;       //set buzzer pin RA5 as output
   GIE=1;                    /* Enable Global Interrupt */
   PEIE=1;                    /* Enable Peripheral Interrupt */
   TMR1IE=1;                  /* Enable Timer1 Overflow Interrupt */
   TMR1IF=0;

   /* Enable 16-bit TMR1 register,no pre-scale,internal clock, timer OFF */
   T1CON=0x80;         /*1:8 prescale*/
   TMR1L = 0x20;
   TMR1H = 0xD1;
   TMR1ON=1;                        /* Turn ON Timer1 */

   while(1);
}
```