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ROLL NO-304C059

**EXP\_6**

**INTERFACING PIC18F WITH BUZZER LED RELAY**

#include <stdio.h>

#include <stdlib.h>

#include<PIC18F4550.h>

void delay()

{

unsigned int j;

for(j=0; j<30000; j++)

{

}

}

void main()

{

unsigned int key, i;

key=0;

TRISB=0x00;

TRISDbits.RD2=0;

TRISAbits.RA4=0;

TRISDbits.RD0=1;

TRISDbits.RD1=1;

while(1)

{

if(PORTDbits.RD0==0)

{

key=0;

}

if(PORTDbits.RD1==0)

{

key=1;

}

if(key==0)

{

LATDbits.LATD2=0;

LATAbits.LATA4=0;

for(i=0;i<8;i++)

{

LATB=0x01<<i;

delay();

}

}

if(key==1)

{

LATDbits.LATD2=1;

LATAbits.LATA4=1;

for(i=0;i<8;i++)

{

LATB=0x80>>i;

delay();

}

}

}

}