#include <REGX51.H>

void send\_string(char\* str);

void main(void){

P0=0;

TMOD=0x20;

TH1=0xfd;

SCON = 0x50;

TR1=1;

ES=1;

EA=1;

while(1);

}

void UART\_isr(void) interrupt 4{

char received\_char;

if(TI) {

TI=0;

}

if(RI) {

RI=0;

received\_char = SBUF;

P0 = received\_char;

send\_string("The keyboard you pressed is ");

SBUF = received\_char;

while(!TI);

TI = 0;

}

}

void send\_string(char\* str) {

while(\*str) {

SBUF = \*str++;

while(!TI);

TI = 0;

}

}